CargoEast.ca

Your Boating Supply Store

1.800.565.5911

Boating Supplies

SAFETY & NAVIGATION

Boating Supplies

Boating Supplies

Boating Supplies

info@CargoEast.ca | P: (204) 956.0771 | F: (204) 957.5886 | #3 276 Marion St. Winnipeg, MB R2H 0T7

Alarms & Accessories	Vapour Detection Alarms	**676 - 677**
	Alarm Panels & Accessories	**677 - 679**
	Bilge Alarms	**678**
Fire Safety Equipment	Fire Extinguishers	**680 - 681**
	Fire Safety Equipment	**682**
	Life Saving Equipment	**682 - 685**
Signaling Devices	Flares	**686**
	Lights & Strobes	**687 - 689**
	EPIRBs & PLBs	**691 - 694**
	Radar Reflectors	**695**
	Whistles & Bells	**696 - 697**
	Horns	**697 - 698**
	First Aid Kits	**698 - 699**
	Spinlock Safety Gear	**700 - 701**
Flotation	Vests / Jackets / Suits	**703 - 709**
	Immersion Suits	**709**
	Inflatable Vests	**710 - 711**
	Pet Vests	**712**
Compasses	Davis Compasses	**712**
	Ritchie Compasses	**712 - 717**
Navigation & Books	Charts & Instruments	**718 - 720**
	Binoculars	**720 - 721**
	Sextants	**721**
	Waterproof Cases	**722**

Fireboy/Xintex
Dual Channel Propane/CNG Monitor & Control

- A microprocessor-controlled two-channel monitor with automatic solenoid valve on / off switch
- A "press to test" button for each channel confirms function
- Calibrated at 20% LEL (lower explosive limit) to eliminate most nuisance alarms while allowing enough time to take action
- Includes one propane/CNG sensor on a 15 ft. cable, one sensor simulator (for use when not using the second monitoring location), and one solenoid valve (S-2A only)
- Voltage: 12V to 15 VDC
- Maximum current draw:
  - Monitor mode with 1 sensor and valve off: 230 mA
  - Monitor mode with 2 sensors and valve off: 400 mA
  - Monitor mode with valve on: 1.2A
  - Alarm mode with valve off: 420 mA
- 4-3/4" W x 3-3/4" H x 7/8" D

FBY S-2A Propane/CNG monitor and control
FBY S-2A-NV Propane/CNG monitor and control (no valve)

Fireboy/Xintex Single Channel
Propane and CNG Fume Detector

- The standard two-inch display module features a circuitry test and alarm horn silence function
- On / off switch opens and closes solenoid (not included) with the touch of a button
- This is a simple, single channel propane fume detector that features a plug-in sensor and a Var-A-Brite indicator lamp that brightens during the day and soften at night
- Complete unit includes display module, one propane sensor and 20 feet of connector wire

FBY S-1A-NV Square bezel, w/ plug

Fireboy/Xintex
Propane Fume Detector

- Features a plug-in, splash proof sensor
- Var-a-brite indicator light that varies in intensity between night/day
- Circuitry test and an alarm horn "silence" function on the display unit face
- Includes 2" diameter display module and one propane sensor with 20' lead wire

FBY S-1

Fireboy/Xintex Gas & Propane Sensor

Colour-coded RED with a quick-disconnect 12-inch lead that connects to a standard 20-foot sensor cable for use with M-1, MB-1, M-2A, S-1, S-1A and S-2A fume detectors. Plug-in connectors eliminate wire routing during installation or sensor replacement.

FBY MS-2-20' Gas & propane sensor with 20' of cable
FBY MS-2-HEAD Gas & propane sensor only

Fireboy/Xintex
Gasoline Vapour Monitor

- A microprocessor-controlled, two-channel gasoline fume detector in a low profile, water resistant design
- Calibrated to eliminate most nuisance alarms while allowing enough time to take action
- Features include plug-in sensors (second sensor optional), fault light alarm, fault lights to indicate a malfunction in either the module or one of the sensors.
- A "press to test" button for each channel indicates either an OK or Danger condition
- An Alarm Silence button deactivates the alarm horn
- 4-3/4" W x 3-3/4" H x 7/8" D

Voltage: 12V to 15 VDC. Maximum current draw: Monitor mode with 1 sensor: 230 mA, Monitor mode with 2 sensors: 400 mA, Alarm mode: 420 mA

FBY M-2A Gasoline vapour monitor

Fireboy/Xintex
Gasoline Vapour Monitor

- In addition to gas fumes, the M-1-R can also detect high concentrations of battery hydrogen or engine exhaust
- Supplied with a 15 foot cable and encased in a proprietary material that allows gasoline fumes to pass through but not water
- Var-a-brite lighting brightens the display light in daylight, while dimming light intensity in darkness
- Integral, 85db alarm will sound at 16 - 20% L.E.L. (lower explosive limit)
- Features include: test and mute functions, low voltage warning alarm set at 7 VDC and compact design
- Mounts into a standard 2-1/16" gauge hole
- Standard operating voltage: 7-14V
- Maximum power draw: 210 mA
- Dimensions: 2" diameter body x 2-1/4" overall length.

FBY M-1

Gasoline Vapour Monitor
with Automatic Blower Control

Features of above M-1, plus 10 amp relay to automatically start bilge blower fan

FBY MB-1R

Marine Technologies Propane & Natural Gas Detectors

Low power draw propane & gas detectors keep you and your investment safe. Comes complete with a test circuit, safe-T-lock, mute circuit and double check circuit. Does not use a remote sensor. U.L. listed. 85db.
Current draw: .046 amp

- 5.5" x 3" x 1.4"

MTI 40-441RV Surface mount
MTI 40-442RV Flush mount

Marine Technologies Fume Detector

This U.L. listed fume detector is designed to fit in standard 2-1/8" instrument hole. The SA-1 is a remote sensor system that also allows the addition of a second sensor to monitor a separate area. You can even add another remote display for dual station/helm. Kit includes dash mounted panel, sensor assembly, and a 20' plug-in cable.

- 7 - 16V, .2 amp draw
- Detects, gasoline, hydrogen, propane, alcohol, acetone, methane and other explosive vapours.

MTI SA-1

Accessories:

MTI SA-1-R Second station display w/ cable
MTI SA186-SB Sensor/replacement sensor w/ cable

BEP Contour Matrix Gas Detector

Units can be fitted to a surface with minimum protrusion or recessed into a panel. The BEP Detector uses microprocessor control to ensure correct sensor sensitivity. The Detector has the capability to control two sensors which detect both LPG and gasoline , with visual and audible alarms (unit is supplied with one sensor). There is a test switch to check operation of sensors with indicators for fault detection. It also has provision for the connection of an external alarm and bilge blower.

- Power supply: 10V min to 35V max
- Current draw: 140mA with dual sensors (340mA when gas is on)
- Alarm sensitivity: 20% LEL (Lower Explosive Limit)
- Current at outputs: 800mA maximum
- W: 8.8 cm x H: 6.6 cm

BEP 600-GD

BEP Gas Detector Sensor

For use with the 600-GL or GDL detectors for a secondary input

BEP BL-SL-L

Fireboy/Xintex Carbon Monoxide Sentinel

The CMD-4MR carbon monoxide detector is ideal when generator shutdown and multiple location warning are not desired. 12 VDC operation. Features a state-of-the-art sensor that is unaffected by common cleaning solvents. Lowest current draw of any Fireboy-Xintex CO Detector (16mA average). UL 2034 Listed for Marine use. 85dB @ 10'.

- 3.5" L x 2.4" W x 1.3" D

FBY CMD-4MR

Marine Technologies Carbon Monoxide Detector

Carbon monoxide gas is potentially lethal, and produced by a number of sources on the average boat, including cooking stoves, defective exhaust systems, space heaters, portable grills and other vessels moored nearby. These UL listed units feature a low current draw of only 60 mA, with an operational range of 8-16 volts. The alarm is an unmistakable 85db @ 10'.

- Memory scan retains CO level that activated alarm
- Operates during mute
- U.L. Listed
- Meets A.B.Y.C. Standards

MTI 60-541 Surface mount. 5.5" x 3" x 1.3"
MTI 60-542 Flush mount. 6.5" x 3.5" x 1.25"

Fireboy/Xintex Carbon Monoxide Detector

The CMD-1MR-9V is a 9V battery powered carbon monoxide detector. Uses an advanced biomimetic sensor to determine CO levels. Time Weighted Average sensor technology is used to eliminate false alarms.

- Extremely low battery consumption – only .016 mA
- 9V battery is included
- Install one unit in each separate area
- Ceiling or wall mount
- 85 dB alarm @ 10% CO2 saturation
- 4.75" Diameter x 1.5" Depth

FBY CMD-1MR-9V

Seaward Propane Panel

LPG electric panel with 5 amp reset fuse, on-off switch and on indicator light.

- 4-1/2" W x 3-1/4" H

SWD 93156

Propane Solenoid Valve

A U.L. listed, 12 volt solenoid with automatic fail-safe feature.

- Power requirements: 6 watts
- Current: .6 amps
- Maximum pressure: 312 psi.
- Mount on tank side of LPG regulator
- In-line 1/4" IPT ports. Normally closed

PRP SV-S121

Fireboy/Xintex Diesel Engine Automatic Shutdown System

Compressed gas suppressant will not shutdown a diesel engine. If fire breaks out aboard a diesel-powered vessel, the engine must be shut down immediately. Continued operation may remove the agent creating the possibility of re-ignition. Fireboy® engine shutdown systems respond automatically when a Fireboy® system discharges. All systems are solid state for greater reliability. The display unit comes with an integrated alarm horn, charged / discharged lights and an override switch for restart or control of auto-shutdown.
*Additional wire harnesses are available for a second station.

FBY ES-3000-01-12 3 -ten amp circuits 12V
FBY ES-5000-01-24 5 -ten amp circuits 24V
FBY ES-5000-01-12 5 -ten amp circuits 12V

Marine Works Engine Warning System

Audible warning system for engine temperature and pressure. Loud warning buzzer alerts operator of dangerously high engine temperatures or low engine oil pressure. Kit includes, 6 PSI oil pressure switch and 200° Temperature switch.

MWK 41400

Kysor Alarm Buzzer

Compact alarm that can be wired into any monitoring device.

- Base diameter: 1-3/4"
- H: 2". Voltage: 12, 24, or 32V

WES 50065012701

Edwards Bells

- Sprayed satin aluminum finish
- 3 - 6 volts

Part #	Height	Width	Depth
WES 740	5-3/4"	2-1/2"	1-1/4"
WES 744	7"	4-1/2"	1-3/4"

20020

3-1/2" x 4-9/16"

20030

4-5/8" x 3-1/2"

20031

5" x 4"

Aqualarm Monitor Panels and Control Boards

Visual advisory panels for the aqualarm system indicate which detector is activated. Separate printed circuit control board can be mounted in a remote location. Easy-to-read lighted panels are designed for single and twin engine installations. Two printed circuit control boards are required for twin engine installations.

AAL 20020 12 Volt P.C. control board
AAL 20022 32 Volt P.C. control board
AAL 20030 Single engine monitor panel
AAL 20031 Twin engine monitor panel
AAL 20007 12V Single engine monitor w/ 1 control board
AAL 20009 32V Single engine monitor w/ 1 control board
AAL 20008 12V Twin engine monitor w/ 2 control boards

Aqualarm Automatic Alarm Systems

Overheat Detectors

20118

AAL 20118 200°F rating, 1/2" pipe thread
AAL 20116 200°F rating, surface mount

Extra Bilge Detector

- Works with 12v,24v,32v
- A two lead, non polarity, normally open detector that closes when water rises and activates a visual and/or audible device
- Not intended to switch a bilge pump
- H: 4-1/4", W: 3", Cable 18'

AAL 20120

Alarm Horn

- "Beeper" style alarm horn 90db, 12V

AAL 20106 1-5/8" dia.

Low Oil Pressure Detector

- Multi-voltage, works with 12v,24v,32v
- Normally closed switch that opens at 10psi of oil pressure and closes if the oil pressure drops below 10psi
- Activates a visual and/or audible warning device
- Installs into a 1/8" MPT pipe plug
- Rated at a maximum pressure of 1500 psi

AAL 20111

Aqualarm Systems Monitor Kit

Deluxe 12 VDC systems monitor with bell alarm for single inboard engines. Panel warning lights pinpoint trouble instantly. Totally automatic, printed circuit control board constantly monitors all functions.
Kit includes:

- Low oil pressure detector
- High engine temp. detector
- Fire detector
- Bilge water level detector
- 1" cooling water flow detector
- Printed circuit control board
- Silver bell alarm
- Visual indicator panel
- Interconnecting cable

AAL 20001

Aqualarm Automatic Alarm Systems

Protects against fire, bilge flooding, engine overheating, low oil pressure and cooling water flow interference. The basic unit consists of a red bell and a bilge flooding detector. Add on other detectors to customize to your needs.

AAL 20131	12V bell and bilge detector
AAL 20133	32V bell and bilge detector
AAL 20100	12V bell only
AAL 20101	24V bell only
AAL 20102	32V bell only

Aqualarm Remote Fire Detector

- Works with 12, 24, 32 volts
- Normally open, two terminal, nonpolarity switch which closes at a set fixed temperature set at 135°F
- It is not recommended for the engine room because of high ambient temperatures
- Can be used to interface with fire alarm panels
- Multiple units can be used in parallel.
- It is a UL listed fire detection thermostat P519
- Temp. rating 135°F. 1-5/8" diameter

AAL 20112

Edwards Heat Detectors

C.S.A approved. Fully automatic. Self-contained. Not reusable. One time use only.

WES 246A	190° F
WES 245A	135° F

Aqualarm Cooling Water Flow Detectors

Monitors marine engine raw water flow to prevent engine damage due to overheating. Activates a visual or audible device immediately whenever raw water flow is stopped or impeded. It is a two wire, non- polarity switch that is normally closed (normally open available) and opens at 8 to 10 gpm of raw water flow. It stays open until flow slows or ceases and then actives any audible or visual boat alarm.

AAL 10231	2" pipe thread (200)
AAL 10271	1-1/2" pipe thread (206)
AAL 10233	1" pipe thread (210)

Replacement Parts:

AAL 30011	Switch for 10231
AAL 30033	Switch for 10271

Aqualarm Last Watch II System

Skippering while tired is a hazard to your passengers, to other boaters and to yourself. It works much like an alarm clock: Set the clock up to 99 minutes ahead of time, and if the reset button is not pushed before the time is up, a loud buzzer will sound. If the buzzer is not stopped after 30 seconds, a second alert is sent to a remote audible alarm.

- Works with 12, 24 and 32 volt systems
- 4.75" W x 3.25" H x 2" D

AAL 20011

Aqualarm Wireless Boat Security

A loud piercing siren is built into the Control Panel and can be heard from a distance, ensuring that any unwanted intruder will be noticed immediately. Very easy installation with no messy wires running throughout your boat. One easy wiring to your 12 volt ships battery (9 volt battery backup for the Control Panel and each Sensor). The system has four programmable zones and can communicate wtih up to 24 sensors. Panel: 8" x 4"

Kit Includes:

- Key pad control panel (backlit for easy visibility)
- Wireless motion sensor
- Two wireless door/window contact sensors
- Key fob remote for arming and disarming remotely

AAL 20410

Fireboy Fire Protection

Extinguishant: ..... *FE-241 (R-124) Chlorotetrafluorethane. For use in normally unoccupied areas only.*
Actuation: ..... *CG2 systems, direct heat only.*
MA2 systems, direct heat and/or mechanical pull cable for manual discharge.
Limitations: ..... *DO NOT install a Fireboy rated for less than the total volume of your engine compartment. You may NOT combine the rated volume of two systems to equal the total volume of your engine compartment.*
Refillability: ..... *All extinguishers are currently manufactured in refillable cylinders; systems in a fire are not refillable.*
Warranty: ..... *One-Year Limited*

Fireboy Automatic CG-2 Systems

Coast Guard Approved. They feature an electrically operated control panel lamp and pressure gauge to indicate whether the unit is charged or discharged. Wire required for lamp hook-up to the pressure switch on the cylinder is not included, but stainless steel mounting brackets are. Automatic, heat-activated discharge. One year limited warranty. Diesel powered craft must also install the Automatic Engine Shutdown System or engines may consume the agent before it can extinguish the fire.

Part #	Max. Volume Protected	Actuation Temp.	Diameter	Height	Weight
FBY CG2-075-FE241	75 cu ft	175ºF	4.3"	11.9"	9 lbs
FBY CG2-200-FE241	200 cu ft	175ºF	5.1"	15.5"	17 lbs
FBY CG2-225-FE241	225 cu ft	175ºF	6.4"	14.7"	26 lbs
FBY CG2-500-FE241	500 cu ft	175ºF	7.2"	24.7"	47 lbs
FBY CG2-700-FE241	700 cu ft	175ºF	10"	21.6"	64 lbs
FBY CG2-1000-FE241	1000 cu ft	175ºF	10"	21.6"	74 lbs

D.G.

* FE-241 units are NOT Approved for Canadian Inspected Commercial Vessels*
** New 227 series units from Fireboy are approved and available as a request item

Fireboy Manual MA-2 Systems

Coast Guard Approved. All feature the same electrically operated control panel indicator lamp and pressure gauge as the CG2 series. In addition, they provide optional, manual activation by means of a mechanical pull cable. Cable kits are packaged and sold separately and available in lengths of 6 to 30 feet, in two foot increments. (Longer cable kits available on special order). Primary, heat activation is still automatic. The manual feature is a back up for those who prefer this extra measure of control, or for inspected vessels who are required by USCG regulation. One year limited warranty.

Part #	Max. Volume Protected	Actuation Temp.	Dia.	Height	Refillable
FBY MA2-200-FE241	200 cu ft	175ºF	5.1"	15.5"	17 lbs
FBY MA2-250-FE241	250 cu ft	175ºF	6.4"	14.7"	26 lbs
FBY MA2-375-FE241	375 cu ft	175ºF	7.2"	17.8"	36 lbs

D.G.

FBY E-4209-06 6' cable assembly
FBY E-4209-16 16' cable assembly
FBY E-4209-20 20' cable assembly

* FE-241 units are NOT Approved for Canadian Inspected Commercial Vessels*
** New 227 series units from Fireboy are approved and available as a request item

Fireboy/Xintex Charged/Discharged Panel

Attractive 2-1/2" round plate has adhesive back for easy panel mounting. Green warning lamp provides constant monitoring of the system. One comes in each CG and MA systems.

FBY 90107

Fireboy/Xintex Audible Discharge Alarm

For CG-2 and MA-2 Systems. Features an integrated alarm horn for a simple, single instrument, installation. The solid state circuit allows direct connection to a 12 volt battery buss, to provide round-the-clock discharge alert. Instrument display includes press-to-test button, visual lamp and audible horn.

FBY DA-1001-01I

First Alert Dry Chemical Fire Extinguishers

- Durable metal head - designed to meet demanding needs
- Metal gauge resists corrosion - easy-to-read colour coded gauge provides accurate measurement
- Metal pull pin with safety seal prevents accidental discharging - helps discourage tampering
- Bracket and strap are included for secure placement of extinguisher - easy instructions
- Chemical resistant & water proof label with 4-step instructions won't deteriorate under marine conditions

Part #	Nominal Capacity lbs	U/L Rating	Colour	Dia x Length	Weight
FIR FE1A10GO/WA	2.5	1A-10-B:C	White	3.6" x 14"	4.7 lbs
FIR FE1A10GOA	2.5	1A-10-B:C	Red	3.6" x 14"	4.7 lbs
FIR FE5GO-MNA	2.5	5-B:C	White	3.6" x 12"	4.2 lbs
FIR FE5GOA	2.5	5-B:C	Red	3.6" x 12"	4.2 lbs
FIR FE10GOA	2.5	10-B:C	Red	3.6" x 14"	4.4 lbs
FIR FE10GO-MNA	2.5	10-B:C	White	3.6" x 14"	4.4 lbs
FIR FE3A40A*	5	3A-40-B:C	Red	6" x 17.4"	9.8 lbs
FIR FEBRA2-6	Small metal mounting bracket 11.75" x 3.9" x 4.2"				
FIR FEBRA5-6	Large metal mounting bracket 14.25" x 6.1" x 6.2"				

FE3A40A

D.G.

***NOTE** The FIR FE3A40A comes with a mounting clip, which is not Coast Guard approved. For certification each fire extinguisher must have the appropriate mounting bracket FIR FEBRA5-6 added. (Ordered separately)

UL rated type 1-A:10-B:C
Effective against the most common household fires: wood, paper, fabric, flammable liquid fires and live electrical equipment fires
UL rated class 10-B:C
Effective against flammable liquid fires and live electrical equipment fires
UL rated type 5-B:C
Effective against flammable liquid fires and live electrical equipment fires
UL rated class 3-A:40-B:C
Effective against the most common household fires: wood, paper, fabric, flammable liquid fires and live electrical equipment fires

How Agents Work

- Water extinguishes because of its quenching and cooling effect
- Dry chemicals and foams blanket and suppress the chemical reaction of the fire
- CO2 displaces the combustion air necessary to sustain the fire
- Halogenated agents are clean and leave no residue
- Halogenated agent FE-241 is a replacement for Halon 1211. It is stored as a liquefied compressed gas and has a boiling point of -11° C. At ambient temperatures it is a gas slightly heavier than air
- It is most suitable for total flooding of an enclosed space
- It will extinguish flames in concentrations of 7 to 12% by volume
- Portable extinguishers are further super pressurized by Argon gas allowing up to 10 feet projection, also suitable for Class A

Fire Extinguishers			
Class A	Class B	Class C	Class D
Solid Fuel Fires	Liquid Fuel Fires	Energized Electrical Fires	Combustible Fires
Wood	Petroleum products	Electric motors	Magnesium
Plastic	Alcohols	Transformers	Titanium
Cloth	Solvents	Appliances	Zirconium
Paper	Paint Product	Distribution panels	Lithium
Rubber			Potassium
Extinguishing Agents			
Water			
Dry chemical	Dry chemical	Dry chemical	Specialized dry powder
Halogen agents	Halogen agents	Halogen agents	
FE-241	FE-241	FE-241	
	Carbon Monoxide (CO2)	Carbon Monoxide (CO2)	

SSI Fire Extinguisher Boxes

This new recessed box lets you keep your fire extinguisher where you can easily reach it in an emergency. Molded from high-quality UV-resistant white ABS plastic with reinforced panel for either back or side mounted extinguisher holding brackets. Fire extinguisher not included.

SSI 49800000 2.5 or 2.75 lbs extinguishers
- OD: 6-3/4" W x 18-1/2" H x 3-5/8" D
- ID: 4-7/8" W x 16" H x 3-1/2" D

SSI 49809000 2 lb extinguishers
- OD: 6-7/8" W x 15-7/8" H x 3-5/8" D
- ID: 4-7/8" W x 14" H x 3-1/2" D

Marine East Fire Ports

6800

Allows you to visually inspect an engine compartment without opening it and adding oxygen to the fire. Concentrates extinguishing chemical. Can be easily installed within minutes .

MEP 6800 White port flap, engine box
MEP 6960 Clear port flap, with sticker
MEP 6990 Clear port flap

Fire Axes

Red axe with spike. 36" hardwood handle.

TOO 61FM412B36 4-1/2 lb head
TOO 61FM6B36 6 lb head

Lifeboat Hatchet

1-1/4 lb hatchet with 14" hardwood handle.

TOO 2015

Perko Axe Bracket

Polished stainless steel. Set consists of one blade socket and one handle bracket as illustrated. For 6" blade width.

PER 325-000-STS

Fire Buckets

Electro-galvanized metal. Round bottom fire pails are red-painted and marked **"FOR FIRE ONLY".**

PAL F014-21563

Scotty Nozzle

Fog/stream nozzle with a 70 GPH flow rate has a built-in twist shut-off. Manufactured from high impact nylon. 1-1/2" threaded attachment.

SCO 4038-70

Tuff-Lite Thermoplastic Fog Nozzles

These sturdy and durable plastic fire hose nozzles are adjustable from straight stream to fog. Designed for use up to 100 PSI. Nozzle has a black rubber bumper.

TLF FNB75GHT 3/4" garden hose
TLF FNB150S 1-1/2" pipe

Canada Metal Sounding Lead

Seven pound with sample collector in the bottom.

CMT SOL-7

Sea-Dog Ring Buoy Bracket

Polished stainless steel. Hook I.D. 4".

SED 491240-1

Perko Ring Buoy Holders

Ring holders.
- W: 3", Overall height: 4-1/2"

PER 1017-000-PLB Brass
PER 1017-DP-CHR Chromed brass

Garelick Ring Buoy Holder

Universal size fits rings to 30" diameter. Fits vertical or horizontal stanchions or screws to the side of the deck house. Coated white aluminum with safety strap.

GAR 71066 for 1" & 7/8" tubing

Replacement mounting brackets

GAR 99081 1" & 7/8"

Sea-Dog Ring Buoy Bracket Rail Mount

Powder coated stamped aluminum with nylon rail fitting. Stainless steel fasteners. Fits 7/8" - 1" tubing or can be mounted directly to a flat surface. Inside diameter: 3-7/8".

SED 327130-1

Life Rings

DOLPHIN are the only life rings manufactured in North America with U.S. Coast Guard, Canadian Coast Guard and DOT approval. All Dolpin life rings are rigorously tested and monitored by the Underwriters Laboratories of the United States and Canada. The ring bodies are warranted for seven years under all climatic conditions and are resistant to fire, oil and gas. The hard shell prevents tearing and ripping and is virtually vandal proof. The design allows for easy rope replacement should the rope become damaged, thus ensuring the integrity and continued certification of the ring. Roto-molded for strength with a polyethylene shell and filled with closed celluar foam for long life under extreme marine conditions.

LIF 55-143-F 24" Orange
LIF 55-141-F 24" White
LIF 56-103-F 30" Orange, SOLAS approved

Accessories:

LIF 3/8"X50HBY-LINE 3/8" x 50' Yellow hollow braid line
LIF 3/8"X90HBY-LINE 3/8" x 90' Yellow hollow braid line

Scotty Man-Overboard Pole

Meets all sail racing regulations. 12 feet overall. 15" square nylon code flag "O". Aluminum mast. Quick release holster and flag cover. Two piece construction. 3" dia. float totally encased for UV protection and will fit into transom tubes.

SCO 701

Parts:

SCO 7012 Flag
SCO 7014-NEW Float with cylinder (no cap)
SCO 701-T Top section only
SCO 701C-NEW Float cap only

Forespar Man Overboard Pole

The red and yellow flags are made of long lasting Dacron with a batten sewn in place to hold the flag in an open position as well as reflective tape to aid in night location. All poles are two-piece and feature a unique top shaft that can be custom sized by the user resulting in an overall pole length ranging from 11-1/2' to 15'. An epoxy kit is provided with each unit and no cutting is necessary. Simply telescope the top shaft to the desired length and epoxy in place. A noncorrosive joining sleeve is standard to allow disassembly of the top shaft from the float for easy storage. The bright orange float which is made of a high impact, polyethylene jacket filled with closed-cell polyurethane foam, is slotted so it easily fits close to the backstay or life lines.

FRS 202018

Cal-June Trolling Sea Anchors

- Vinyl coated nylon
- 1/4" polypropylene shroud lines
- Easily collapsible for storage
- Will not rot or mildew
- 929: USCG approved for storm sea anch

Part #	Dia.	Boats
CAL 926	18"	up to 25'
CAL 927	24"	26' - 46'
CAL 928	30"	47' - 66'
CAL 929	36"	N/A

Canada Cordage Sea Anchor Line

33' of 5/16" 3-strand nylon with a 5/16" galvanized thimble spliced into one end.

CCI SAL-5/16"N

LifeSafe SOLAS Reflective Tape

At sea, cube-corner prism material is visible at distances of more than half a kilometre. SOLAS approved tape and patches for personal flotation devices - life jackets, ring buoys, life boats and inflatable life rafts– help safeguard sailors worldwide on both pleasure craft and merchant vessels. All products conform to SOLAS international standards and USCG requirements. USCG 164.018/4/0 approved; complies with SOLAS 74/83.

LIF RE3918 4" x 4"

3M Reflective Tapes

High intensity grade prismatic reflective sheeting.

- 2” x 150’

THR 3930-3930 White
THR 3930-3931 Yellow

3M Retro Reflective Tape

High Intensity SOLAS grade reflective tape is a flexible, encapsulated lens, highly-reflective material, pre-coated with an aggressive pressure sensitive adhesive. It conforms well on flexible or rigid applications. Tapes supplied in 150' rolls and by the foot, with self-adhesive backing. 2" wide.

THR 3150A

3M Retro Reflective Tape Kits

Composed of highly flexible , durable, adhesive coated sheets for areas that require night time reflection.

- Red/white
- 2" x 12" strips

THR 3463NA

Mustang Rescue Stick

Provides rapid flotation assistance to a person at risk of drowning. Simply remove the baton from its waterproof bag and throw near the person. Once contact is made with the water it inflates in seconds to a large horseshoe shape keeping them afloat and their head above water until help arrives.

- 14” in length and weighs less than 1 lb
- Simple to repack and reuse
- Can be thrown 100 feet or further with accuracy
- Provides 35 lb of flotation in seconds to a person at risk
- Extremely easy to use

MUS MRD101

Comet Daylight Signal Mirror

Unbreakable. Packed in plastic envelope.

COM 331100

Scotty Rescue Throw Bag

- 50’ x 9/32” 660 lb test
- Braided MFP polypropylene floating rope
- Bright orange nylon and polyester self-draining bag c/w adjustable strap
- 3M reflective safety band

SCO 793

Kwik Tek Rescue Throw Bag

Throw this 50 foot rescue line to a swimmer in trouble with incredible accuracy. Keep accessible by hanging it from a boat rail or other convenient spot using the integrated strap with side release buckle. Easy to understand and implement graphics are printed on the outside of the bright orange nylon bag.

KWI LL-1

Fox 40 Rescue Throw Bag

A highly-durable rescue throw bag in waterproof bag contains 50 ft (15 m) length of premium braided polypropylene floating rope with 900 lb breaking strength. Easy to use and handle.

FOX 9501TB

Fox 40 Watercraft Safety Throw

The body of the water safety throw has an integrated handle, clearly visible and easy to grasp. A quick-release plug prevents rope from deploying inadvertently. 50 ft (15 m) length of premium polypropylene braided floating rope has 900lbs breaking strength. Use anywhere the potential for water rescue exists. Superior alternative to fabric throw bags!

FOX 9501

Fox 40 Water Safety Rope/Float

Premium quality floating rope made from extra-fine polypropylene filaments woven into a high-density braid. Softer and easier to handle than conventional coarsely-braided rope. 50' length. Float is made of expanded polyvinyl chloride for maximum toughness.

FOX 9505

Canada Cordage Polypropylene Heaving Line

Incorporating a float, spliced to one end, these highly visible, buoyant heaving lines exceed pleasure craft needs and meet commercial requirements.

CCI HL-3/8"x90	3/8" x 90'
CCI HL-5/16"x50	5/16" x 50'
CCI HL-5/16"x90	5/16" x 90'

Wesmar Utility Float

A polyfoam float suitable for tow ropes, heaving lines, pool lanes, etc.

- Approx 3-1/2" diameter by 5-7/8" long
- Bored for maximum 3/4" line

WES SHE-6

Kwik Tek Float

Durable ultrasonically welded plastic floats. Size: 5" long x 3" diameter with a 1/2" hole in the centre.

KWI F-5Y

Scotty Boat Safety Equipment Kit

Each kit contains one 1/4" x 50' heaving line with float, one watertight flashlight, one sound signalling device and one manual bilge pump.

SCO 790

Kwik Tek Lifeline Boat Safety Kit

This boat safety kit contains 4 items required by the Canadian Coast Guard for boats up to 8 metres (26 ft.) long.

- 15 metre (50') buoyant heaving line
- Bailer (watertight container)
- Sound signalling device (pea-less whistle)
- Watertight flashlight (AA battery not included)

KWI LL-2

Scotty Small Vessel Safety Kit

For vessels up to 8 metres

- 15 m buoyant heaving line (attach to bailer for maximum heaving distance)
- Bailer. (watertight container)
- Sound signalling device (whistle)
- Watertight flashlight ("AA" batteries not included)
- Meets CCG minimum standards

SCO 779

Fox 40 Boat Safety Kit

Includes all minimum safety requirements for your personal watercraft - no need to buy everything separately. The marine flashlight with batteries, pealess safety whistle, 50' (15 m) water safety rope & float fit perfectly into a bailer capped with mirrored lid. Innovative design makes the bailer easy to grab in an emergency.

FOX 9503

Scotty Watertight Emergency Equipment Container

Rugged plastic container in international orange for dry storage of flares, first aid equipment, emergency rations, matches, etc. Net buoyancy: 1 kg (2.2 lbs)

SCO 774

Comet Watertight Container

Large enough to hold 12 parachute rockets

- Heavy duty plastic
- H: 16" x Dia: 7"

COM 1280

ACR Survival Gear Pouch

- Two zipped storage areas with 5 securing clips
- Reflective trim
- Padded body for comfort with adjustable waist buckle
- Holds your personal locator beacon & emergency gear
- L: 8-1/2" x H: 5-1/2" x D: 3-1/2"

ACR 2274

BoatMates Safety Gear Bag

Keep all your mandatory safety and emergency gear organized in this commercial weight ventilated bag. Holds 4 adult, and 2 childs' PFD's in main body, plus separate storage area in lid holds first-aid supplies, safety flares, distress flag, air horn, etc. Large mesh pocket in front for additional storage. Bag has heavy web carrying handles, non-skid feet on bottom, and grommet openings for drainage. Nylon, self-repairing zippers on bag and lid. D-rings on each end allow bag to be secured to deck on boat or dinghy. Safety equipment not included.

BOT 3118-6

First Aid Thermal Survival Blanket

- 52" x 84"
- Wind & water resistant

FIR L-12391

Comet Sea Distress Signals and Devices

Manufactured by Comet GmbH in Germany to the highest standard. Sold worldwide in more than 40 countries. Comet distress signals have been granted approvals in nearly all ocean going nations. Reliable, high performance signals and devices for commercial shipping and the pleasure boat market.

Type-A

Comet Parachute Rocket - Red

Distress signal for ships (bridge), lifeboats, and life rafts according to SOLAS regulations. Self contained. Hand operated. Negligible recoil. Altitude 300 metres. Burning time 40 seconds. Light intensity 40,000 cd. DOT approval #32-42. Also USCG approved.

COM 1231 Each D.G.

Type-B

Comet Skylite Distress Flares - Red

Type B dual star signal in a self-contained intrinsic cartridge. 6 flares packed in a heat sealed poly bag. Approved for use on pleasure craft and uninspected vessels only. DOT approval #32-59. *Outperforms any other Type B flare available.* Altitude 65 metres. Burning time 6 seconds.

- Light intensity 10,000 cd.

COM 1228 6/pkg D.G.
COM 1228-3 3/pkg
COM 1228EA Each

Type-C

Comet Hand Flares - Red

Hand distress signal for life-boats and life rafts according to SOLAS regulations as well as for small commercial and pleasure vessels. DOT approval #32-39. Burning time 60 seconds. Light intensity 15,000 cd. drip proof while burning. 6 individually packed flares in a heat sealed poly bag.

COM 1520 6/pkg D.G.
COM 1628 Each

Type-D

Comet Smoke Signal - Orange

For use in day distress signal situations and to mark the position during a rescue operation, according to SOLAS regulations. Safe on oil and gasoline covered water. Smoke duration 4 minutes. DOT approval #32-49.

COM 1620 Each D.G.

Comet Combination "F" Pack

- (4) Comet Type B and (2) Type C Flare

This convenient flare package contains (4) type B 1228 flares and (2) type C 1628 flares. This combination gives you day /night and alert and locate - range signalling ability.

COM "F"PACK 6/pkg D.G.

Comet 12 Gauge Twin Star Signal Kit

Kit includes (1) signal gun and (6) twin star flares in a hard shell plastic case.

COM 1774KIT Complete D.G.

Accessories:

COM 1774-CASE Case only

Comet 12 Gauge Twin Star Flares

- Twin red star flare in a self-contained intrinsic cartridge
- Luminous intensity: more than 10,000 cd
- Burning time: more than 5.5 sec.
- Altitude: 61 metres
- Transport Canada Approved

COM 1774 Each

Comet Line Throwing Device

Single shot line throwing device has a range of 250 metres. Requires no arming of rocket and has no dangerous pre-loaded striker. Compatible with conventional Comet line-throwing rocket. Safe and easy to handle, this ergonomic and compact design weighs 4.3 kgs. *One time use only*

COM 1605 Line throwing unit, no rocket D.G.
COM 1127 Spare rocket
COM 1142 Spare throw line

Comet Man Overboard Light/Smoke / Signal

Bracket mounted. Produces a light signal and smoke signal in man overboard cases according to SOLAS regulations. Constructed of aluminum and plastic. Dense orange smoke produced for 15 minute duration. The signal is safe on oil or petrol covered water. Lithium primary cell battery will last the lifetime of the signal.

- Burn time: 2 hours
- Light: 2 candela
- Smoke: 15 minutes

COM 1616 D.G.

Forespar Water Light

This rugged water light produces brilliant strobe flashes automatically when thrown overboard and is visible for miles at sea. When used with a 6 volt alkaline lantern battery (not included) it will flash at the USCG required rate for over 52 hours and will still flash at least every 2 seconds after 7 days of continuous operation. Meets USCG requirements (46 CFR-161.010). The stainless steel mounting bracket is included.

- 11-1/2" H x 4" diameter

FRS 205102

Comet SOLAS Life Buoy Light

This light is designed for use as a life buoy marker according to SOLAS. It is safe for use on oil or petrol covered water. The light is self activating by mercury switch. Comes with 2.5m perlon connecting line and bracket. Five "D" cell batteries (not included)

COM 1205 Life buoy light with bracket

Parts:

COM 1206 Bracket

Forespar Personal Rescue Strobe Light

Approved personal strobe flasher should be an essential part of very yachtsman's safety gear. Meets USCG 161.012 when powered by an alkaline "C" battery, replaced annually. Batteries are not included. Waterproof to 120 feet, has a Velcro strap for attachment to upper arm or safety harness. Measure approx. 5" high, weighs only 5 oz. & flashes fro over 24 hours.

FRS 202102 Strobe

ACR Personal Rescue Light

Water activated personal rescue light for life vests and rafts. Lamp and lens combo produces brilliant light visible for over one mile. Operates in fresh or salt water. Standard length lead wire 18" (46 cm). Water activated battery has extended useful life with plugs left in place.
Operating life - exceeds 8 hours.

ACR 3720.0180

ACR HemiLight 2

Installation is quick and simple with the all new Dragon Clip which provides secure retrofit attachment to almost any style life jacket in a matter of seconds.

- Water-activated LED flashing survival light with manual deactivation switch
- Meets USCG and SOLAS requirements
- Attachment loops accommodate up to 2" wide webbing
- Rounded edges to maintain integrity of inflatable life jackets
- Smaller than other approved lights
- Highly visible flashing LED light

Size: 2.75 L x 1.47 W x 1.37 H inches
Weight: 1.9 oz
Battery: Non-hazardous lithium. 5 yr life (not replaceable)
Meets DOT and IATA rules for safe transport
Waterproof: Water tight to 30 ft Meets IMO standard
Operational Life: Exceeds 8 hr. requirement
Approvals: Pending: USCG SOLAS, Transport Canada
Approved: MED SOLAS

ACR 3768

ACR Firefly 3 Strobe

Manually activated rescue strobe

- 360° high intensity xenon strobe visible for up to 1.9 km
- Large sliding switch allows for easy operation by gloved hands
- Base platform allows unit to stand upright easily
- Designed as "electronic flare" to replace day/night pyrotechnics signal in aviation life rafts
- Ideal for life vests and safety harnesses
- Weight: 3.8 oz (105 g) with lithium batteries
- Material: polycarbonate
- Waterproof
- Operational life: 8 hours
- Battery Type: 2 'AA' alkaline or 1.5V lithium (not included)

Size 4.75" x 2.2" x 1.2" (12.1 x 5.6 x 3.0 cm)

ACR 3995.3

ACR Firefly Plus

- Includes wrist strap
- Omni-directional strobe visible up to 2 miles (3.2 km)
- Waterproof to 328 ft (100 m)
- Floats if dropped overboard
- Operates on 2 "AA" alkaline or two 1.5V lithium batteries (not included)
- Operating life - strobe: 10 hours
- Operating life - flashlight: 2 hours continuous

Size:: 5.3" x 1.5" (13.5 x 3.8 cm)
Weight: 5 oz (142 g)

ACR 1916

ACR FireFly3 WaterBug

- Special water activation feature: unit turns on when armed and in contact with water
- State of the art lamp/lens combo for high intensity flash
- Large sliding switch easy to operate with gloved hands
- Specially designed base platform allows unit to stand upright easily
- Stainless steel retainer securely attaches battery door to case
- Integral lashing loops provide a secure anchor point
- Ideal for life vests, safety harnesses, float coats, work suits & immersion suits

Size 4.75" x 2.2" x 1.2" (12.07 x 5.59 x 3.05 cm)
Weight: 3.84 oz (109 g) with lithium batteries (not included)
4.44 oz (126 g) with alkaline batteries (not included)

ACR 3996.3

ACR FireFly2 Doublefly

- Multi-function switch selects between strobe light for visibility at great distances or steady incandescent light for close-up recovery work
- Large sliding switch allows for easy operation by gloved hands
- Specially-designed base platform allows unit to stand upright easily
- Aluminum retainer securely attaches battery door to case
- High intensity xenon strobe and incandescent lamp
- Ideal for life vests, safety harnesses, float coats, work suits & immersion suits

Size: 4.4" x 2.2" x 1.2" (12.07 x 5.59 x 3.05 cm)
Weight: 4.0 oz (113 g) with lithium batteries (not included)
4.7 oz (133 g) with alkaline batteries (not included)

ACR 3999.1

ACR C-Light w/ Clip

- Attaches easily to life vest or jacket with stainless steel pin or integral lash loops and velcro strap
- Waterproof and corrosion resistant case
- New attachment pin engages top cap; prevents accidental disassembly
- Twist ON/OFF control can be operated by gloved hands and in adverse conditions
- Adjustable wrist strap provides a means for keeping light secure
- Intense incandescent light visible for up to two miles depending upon conditions; produces twinkling effect for signalling
- Lens simultaneously focuses a beam of light straight ahead and a ring of light all around
- Multi-faceted refracting lens intensifies light up to 20 times brighter at the horizon and 75 times at the vertical cone of light

Size: 5.6" x 1.3" (14.3 x 3.2 cm)
Weight: 1.3 oz (37 g) without batteries (not included)

ACR 3355

ACR C-Strobe w/ Clip

- Intense strobe light visible up to 2 miles (3.2 km)
- Waterproof and corrosion resistant case
- Attachment pin engages top cap; prevents accidental disassembly
- Slim, lightweight design
- Steel clip and adjustable velcro strap

Size: 6" x 1.6" (15.3 x 4 cm)
Weight: 2.6 oz (74 g)
USCG 161.012/41/0 approved with 2 “AA” lithium batteries (not included)

ACR 3959

ACR Rapidfire Life Vest Strobe

- Small, compact, rugged, waterproof; pack inside inflatable life jacket or attach to standard life vest
- Pull-pin activation: Automatically lights when vest inflates or if manually pulled
- Adjustable flash shield for optimum eye protection
- Pull-pin lanyard clips to bottom of inflation chamber
- Light test feature with "Test Key" to ensure readiness-can be tested many times
- Easy to mount-fits on inflation tube via ‘O’ Ring which will not damage inflation tube, or fits on any strap of conventional life jacket
- "Tamper Tab" breaks to indicate light has been activated
- Long term storage lithium battery-10 year storage life (recommended replacement 5 years from date of purchase-write month/year of replacement date on case at time of purchase)
- Operating life-approximately 8 hours at -20ºC (-4ºF)

Size: 3.1" L x 1.8" W x 1.6" D (7.9 L x 4.6 W x 4.1 D cm)
Weight: 3.3 oz (93.6 g)

ACR 3961.1

See Glossary on Page 694 For Symbol Details

ACR Lithium Battery for ACR Firefly Strobes

- Directly replaces mercury 4RM1B battery
- Fits all ACR Firefly strobes 4F
- USCG approved for 5-year replacement life (10 year storage life)

ACR 1032

Personal Signaling Light Specifications

Model Product #	Size Weight	Water-proof	Beam Angle	Activation	Visibility	Flash Rate	Lamp	Battery Type	Certification	Operational Life	Operation
C-Strobe 3959	6.0 x 1.6" 2.6 oz without batteries	to 10'	Omni-Directional 360°	Manual	up to 2 mi	60 ± 10/min nominal	Xenon flash tube	2 "AA" alkaline (1 yr replacement) or 1.5V lithium (5 yr replacement)	CE; USCG 161.012/41/0 approved (w/ dated lithium batteries)	More than 8 hours continuous @ -1° C	Twist "ON-OFF"
Auto HemiLight 2 3768	2.75 x 1.47 x 1.37" 1.9 oz	to 30'	All directions of the upper hemisphere	Water	visibility 1 mile	N/A	LED	Lithium 5 yr life (not replaceable)	Meets USCG and SOLAS requirements Meets DOT and IATA rules for safe transport	Exceeds 8 hours @ -1° C	Activates when In water
C-Light 3355	5.6 x 1.3" 1.3 oz without batteries	Waterproof and corrosion resistant case	Simultaneously focuses a beam of light upward/ring of light all around	Manual	up to 2 mi	N/A	Incandescent	2 "AA" alkaline (1 yr replacement) or 1.5V lithium (5 yr replacement)	CE; USCG 161.012/36/0 approved (w/ dated lithium batteries) Patent #5237491	More than 8 hours continuous @ -1° C	Twist "ON-OFF"
RapidFire Strobe 3961.1	3.1 x 1.8 x 1.6" 2.75 oz	to 10'	Omni Directional 360°	Manual & Automatic	over 1 mile	60 flashes/ min ± 10 for 4 hrs; rate slows to 20 flashes/ min during last 4 hrs	Xenon flash tube	Lithium 5 yr life (not replaceable)	N/A	Approximately 8 hours at -20° C	Pull pin; automatic on some vests
Firefly Plus 1916	5.3 x 1.5" 5.0 oz without batteries	to 328' when properly lubricated	Omni Directional 360°	Manual	up to 2 mi (strobe)	40 to 60 flashes/min	Xenon flash tube and krypton bulb	2 "AA" alkaline (1 yr replacement) or 1.5V lithium (5 yr replacement)	N/A	Strobe: 10 hours/ flashlight: 2 hours continuous	Twist left or right for strobe/ flashlight
Firefly®3 3995.3	4.75 x 2.2 x 1.1" 4.0 oz	Tested to 33'	Omni-Directional 360°	Manual	1 nm 1.9 km	60 ± 10/min nominal	High intensity Xenon strobe	2 "AA" alkaline (1 yr replacement) or 1.5V lithium (5 yr replacement)	USCG 161.012/58/0, USCG, SOLAS 161.112/50/0 w/ dated lithium battery; IMO LSA Code MSC.81(70); FAA (TSO-C85), CE	Minimum 8 hours	Switch "ON-OFF"
Firefly3 Waterbug 3996.3	4.75 x 2.2 x 1.1" 4.0 oz	Tested to 33'	Omni-Directional 360°	Water & Manual	1 nm 1.9 km	60 ± 10/min nominal	High intensity Xenon strobe	2 "AA" alkaline (1 yr replacement) or 1.5V lithium (5 yr replacement)	USCG 161.012/58/0, USCG, SOLAS 161.112/50/0 w/ dated lithium battery; IMO LSA Code MSC.81(70); FAA (TSO-C85), CE	Minimum 8 hours	Lights when in water with switch "ON"
Firefly2 Doublefly 3999.1	4.4 x 2.2 x 1.1" 4.0 oz	Tested to 33'	Omni-Directional 360°	Manual	1 nm 1.9 km	60 ± 10/min nominal	High intensity Xenon strobe/	2 "AA" alkaline (1 yr replacement) or 1.5V lithium (5 yr replacement)	CE	Strobe: minimum 8 hours/ Incandescent: 2 hours continuous	Multi-function switch "ON-OFF-ON"

New iPRO display screen confirms EPIRB action

Our new GlobalFix™ iPRO can save the day when your life is on the line. It's the ultimate in high-tech reliability, thanks to exclusive new features like a digital display that reveals the EPIRB's electronic activities. With internal and external GPS functions, it transmits your LAT/LON in just minutes.

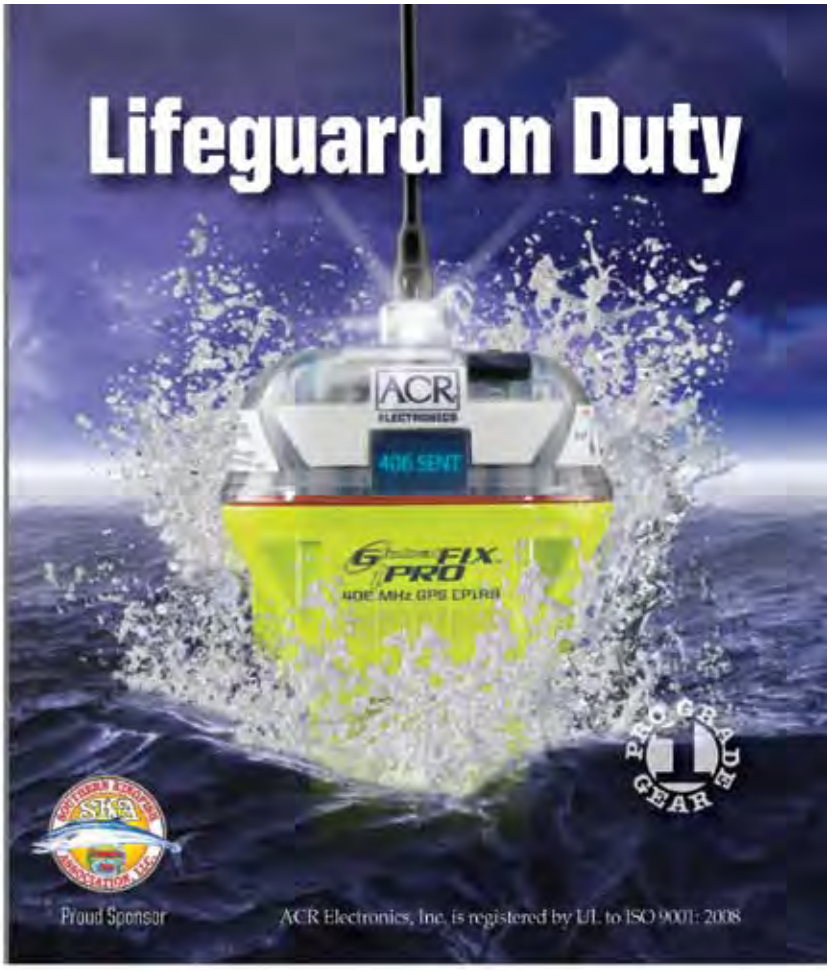
Using the proven COSPAS-SARSAT system that has saved nearly 27,000 lives, ACR beacons account for at least 60 percent of registered beacons worldwide. ACR's iPRO, with exclusive features and built-in redundancies, will acquire a location even where GPS can't to bring help quickly. You can trust it to work because the technology inside has been torture tested in impossibly harsh conditions. And there's no subscription fee.

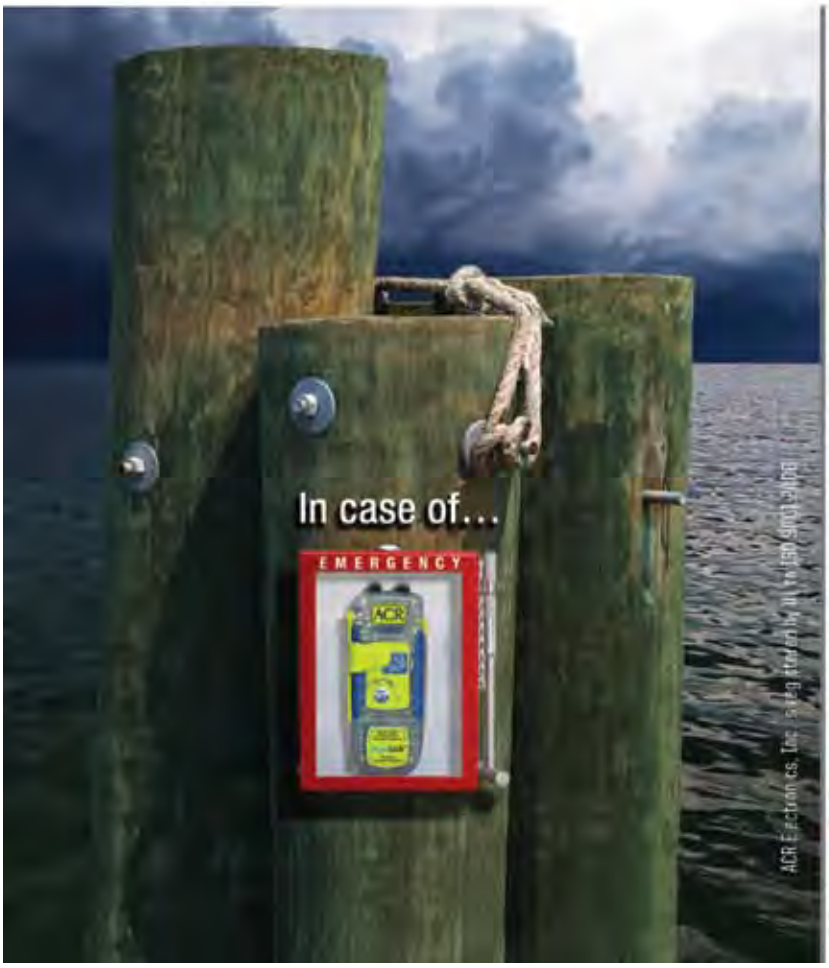
Make sure iPRO is on duty when you need it.

THE SCIENCE ACR ELECTRONICS OF SURVIVAL

www.acrelectronics.com

GSA Schedule Contract GS-07F-0372T





In a life-threatening emergency, when you've used up all the alternatives, you can count on ACR's AquaLink™ Personal Locator Beacon (PLB) to bring help fast. AquaLink™ has more power, the strongest signal and lasts longer than other PLBs, and its built-in GPS gives a quick fix on your position. The 406 MHz signal broadcasts your distress call and unique I.D. code to Search and Rescue satellites, so rescuers know exactly where you are and who you are, even without a GPS fix. To guide them when they get closer, there's a separate homing signal and LED strobe light. AquaLink™ uses powerful, proven technology that's already saved nearly 27,000 lives since 1982. It could save yours, too.

YOUR BEST ACR ELECTRONICS LAST CHANCE

www.acrelectronics.com

GSA Schedule Contract GS-07F-0372T

ACR GPS EPIRB Advantage

Integral GPS EPIRBs Benefit of Simplicity
GPS Interface EPIRBs Benefit of Speed

The AquaFix and GlobalFix 406 are the newest generation of 406 MHz EPIRBs. Because they transmit your LAT/LON coordinates to SAR forces, they add a whole new dimension to the satellite aided search and rescue system. The AquaFix 406 GPSI connects to your onboard navigation electronics through an SJMEA 0183 interface and provides a position fix within seconds of being activated. The GlobalFix 406 has an internal GPS receiver that initializes within minutes. The AquaFix 406 GPS I/O features the option of a GPS interface and Onboard GPS. All save precious time when it matters most.

These 406 MHz EPIRBs instantly transmit to GEOSAR high-earth orbit satellites. With your location known from the moment the first signal is received - a matter of seconds with GPS interface EPIRBs or minutes with integral GPS EPIRBs - your signal can be quickly routed to the closest appropriate rescue agency.

A GPS-enabled EPIRB eliminates the waiting time required for the traditional low-earth orbiting LEOSAR satellites to obtain a fix. On average, the waiting time is about 60 minutes, which can be critical in saving lives, particularly in the case of a medical emergency or a rescue in frigid waters. With the addition of GPS in a near-shore situation, help could be on the scene in the time it previously took for LEOSAR to obtain a fix. That's significant progress in the lifesaving process.

ACR's GPS interface EPIRBs connect to an active NMEA 0183 data source (your vessel's primary GPS), and update current position data every twenty minutes as allowed. You can initiate a self-test to confirm the unit has current position data. From the moment you turn your GPS on at the dock until you need the beacon in an emergency, ACR's interface EPIRBs are ready to transmit LAT/LON coordinates along with your UIN within seconds of activation. It is best to choose a mounting location in an area convenient for routing the interface cable. An AquaFix 406 can also be used with a hand-held GPS.

ACR's integral 406 EPIRBs are completely self-contained, incorporating the latest in GPS technology. Upon activation, they immediately transmit the 406 MHz signal as any 406 EPIRB does and will continue to do so as long as the EPIRB is on. GPS signals can be difficult to acquire during a cold boot, especially in less than ideal conditions. ACR's AquaFix 406 GPS I/O and GlobalFix 406 are capable of a GPS cold start initialization in 1.5 minutes or less due to their proprietary FastACQ software which is specially designed for speeding up cold start applications. In tough conditions, these EPIRBs will try to gain a position fix for 30 minutes, then will "rest" for 20 minutes as required by government mandate. Then, the EPIRB will try intermittently to acquire LAT/LON until it gets a fix. Once acquired, ACR's integral GPS EPIRBs incorporate your coordinates in the 406 MHz signal. They are convenient to store in a life raft or emergency gear bag. Just turn the EPIRB on in an emergency. There is no installation or set-up necessary. All of ACR's GPS EPIRBs are equipped with a self-test feature that confirms operation as well as battery condition and GPS position data. The units are self-buoyant and need no flotation collar.

121.5 MHz EPIRB (Class A, B and S) 12 nm radius / 452 sq. nm search area / average 6 Hour notification to SAR / non-406 beacons illegal to operate as of January 1, 2007
406 MHz PLB / EPIRB 2.3 nm radius / 12.5 sq. nm search area / average 1 Hour SAR notification / non-GPS beacons
SATELLITE2 406™
406 MHz w/GPS PLB / EPIRB .05 nm (110 yds) radius / .008 sq. nm search area / estimate 2-15 Minutes notification to SAR
GlobalFix™ iPRO/PRO 406
RapidFix™ 406
MicroFix™/ResQFix™ 406 PLB
AquaFix™/TerraFix™/AeroFix™ 406 GPS PLB

ACR Satellite2 406 MHz EPIRB

Category 1 (Automatically deployable)

- World's smallest 406 MHz EPIRB that meets all regulations and is fully approved worldwide
- Patented proprietary electronics package provides greater frequency stability for most accurate position through the LEOSAR satellites
- Fully functional self test of internal circuitry, and battery voltage test
- High-impact polycarbonate case with non-tangling lanyard
- Fully enclosed, high density, UV stabilized polyethylene bracket with hydrostatic release withstands extremely abusive environments
- Hydrostatic release automatically deploys EPIRB if vessel sinks to approximately 13' (4 m)
- Class 1 battery for colder temperature operation; minimum 48 hrs @ -40°C (-40°F), 5 year replacement
- Automatically activated when out of bracket and in the water or manually activated
- Transmits on 406 MHz (COSPAS-SARSAT) with your registered, digitally-coded distress signal, and 121.5 MHz (SAR homing frequency)
- Audio/visual indicators of active transmission
- Floats upright with high visibility built-in strobe
- 14.5" x 4.25" x 3.62"
- Weight: 1.9 lbs

*Replaceable battery

ACR 2774CNH

Category 2 (Manually deployable) Same features as above, but manual deployment

- Universal Low Pro2™ Category II EPIRB Bracket (P/N 9430) included; bulkhead and rail mounting options

*Replaceable battery

ACR 2775.5CNH

Parts:

ACR 9368	Replacement antenna

ACR Globalfix iPro 406 EPIRB w/ GPS

The GlobalFix iPRO is a breakthrough product that boasts a digital display and dual GPS technology. GlobalFix iPRO sports a digital display that allows you to see all of the beacon's operational activities. The screen displays GPS LAT/LON, operating instructions, usage tips, transmission bursts as well as battery power. iPRO makes self-testing your beacon simple and easy to understand with the digital display visually walking you through the self test step by step, no more relying on listening to beeps and LEDs. The GlobalFix iPRO is also the first EPIRB that offers Dual GPS Technology. Interface your iPRO to your onboard GPS to ensure that your LAT/LON is stored inside so the coordinates are transmitted in the first data burst. iPRO's internal GPS is optimized for cold starts and is tested and refined at ACR's GPS Simulation Centre so that it will pin-point your exact location faster than standard GPS enabled EPIRBs.

- Highly visible LED strobe - energy efficient
- High efficiency electronics - performance you can count on
- Nonhazardous batteries - no shipping hassles
- Professional grade design - engineered, tested and built for years of abusive marine use
- Ergonomic, compact design; smallest feature rich EPIRB available
- Size: 15.3 x 4.2 x 3.6 in (38.9 x 10.7 x 9.1 cm)
- Weight: 1.32 lbs. (600 g)
- External GPS interface requirements: In order to be compatible with the GlobalFix iPRO, an external GPS receiver must provide location information according to the following requirements:
  - NMEA 0183, Version 1.5 or higher
  - Baud rate: 4800
  - Talker device identifier: GP (GPS receiver)
  - Sentence format: GGA (GPS fix data)

ACR 2846.63	Category I, automatic
ACR 2848.63	Category I, manual

Parts:

ACR 9368	Replacement antenna

See Glossary on Page 694 For Symbol Details

ACR Hydrostatic Release Kit

When submerged in water between 5-13 ft. (1.5 - 4 m), the HydroFix will disengage the rod allowing the Category 1 bracket to release the EPIRB. ACR's HydroFix is now part of the standard replacement kit for the following EPIRBs* and brackets:

Satellite 406 RLB-27 2754/2756/ 2772
(Closed and Open Face Brackets)

Satellite2 406	RLB-32	2774
RapidFix 406	RLB-33	2776
GlobalFix 406	RLB-35	2742
Sea Shelter		9327
Sea Shelter2		9435/9455

- Expiry: 2 years from install or 3 years from date of manufacture

ACR 9490

*Not for use with RLB-23 406 EPIRB

ACR AquaFix PLB

Transmits on 406 MHz via the COSPAS-SARSAT satellite system with your registered unique, digitally coded distress signal and 121.5 MHz

- Smallest and most functional P-EPIRB available; can be easily carried in a pack or on a life jacket
- Full functional self test of internal circuitry, battery power, 406 MHz transmission, and GPS acquisition
- Flat, stainless steel antenna wraps compactly around the unit for easy stowage; and is ready for rapid deployment
- Floats to avoid loss if dropped in water, exceeds RTCM waterproof requirements
- Material: Glass reinforced polycarbonate blend
- Colour: ACRtreuse with Blue holster
- Deployment: Manual
- Limited Warranty: 5 years
- Batteries: Two Lithium 2,500 mAmp Hour @-20°C
- Operational Life: In excess of 24 hours @ -20°C
- Weight: 12 oz w/ o holster; 13.3 oz with holster
- 1.74" x 5.71" x 3.03" (4.4 x 14.5 x 7.7 cm)

*Replaceable battery

ACR 2797.2C Interface only (marine)
ACR 2797.4CNH Interface and Onboard GPS

Same features as above, but with GPS. Onboard GPS (2797.4 only) acquires LAT/LON when the unit is activated, your LAT/LON is transmitted as soon as acquired providing rescue agencies with your exact position to within 100 metres (110 yards).

ACR Aqualink 406 GPS PLB

With three levels of integrated signal technology - GPS positioning, a powerful 406 MHz signal and 121.5 MHz homing capability - the AquaLink quickly and accurately relays your position to a worldwide network of Search and Rescue satellites. The AquaLink broadcasts a unique registered distress signal that not only tells rescuers where you are, but who you are. The onboard GPS can fix your position to within 100 meters and then utilizes a powerful 406 MHz signal to relay your distress call to orbiting satellites. As local Search and Rescue is deployed, a separate homing signal and integrated LED strobe light guide rescuers to your exact location.

- No subscription fees
- Floats
- Super bright LED strobe
- On board 66 channel GPS
- Self-test and GPS test features
- Typical performance 35 hours

Size: 2.25 x 5.88 x 1.49"
Weight: 9.1 oz with lanyard
Battery: Class 2 (non-hazmat) lithium battery packs
Deployment / Activation: manual
Operation: 2 steps - deploy antenna, press ON button
Waterproof: 16.40ft (5 m) @ 1 hr.
Radiated Power: 5 W
Accessories: attachment clip included
Certification: Cospas-Sarsat, FCC Pending: Canada, Europe
Limited Warranty: 5 years

*Replaceable battery

ACR 2882.63

ACR Universal Category II Mounting Bracket

Snugly fits Magnum B (Product Part # 2768).
SATELLITE 406 (Product Part # 2758).
SATELLITE 2 406 (Product Part # 2775).
RapidFix 406 (Product Part # 2777), and
GlobalFix (Product Part # 2744)

- Keyed to eliminate possibility of installing EPIRB backwards
- Built-in magnet deactivates EPIRB's water sensor when in this bracket
- Small footprint for low profile mounting
- Universal mounting configuration, including rail mount and bulkhead; fits rail from 3/4" to 3"
- Made of high density, UV stabilized polyethylene

ACR 9430

GLOSSARY OF TERMS

AUTOMATIC DEPLOYMENT:	The ability of an EPIRB to release itself from bracket via the Hydrostatic Release Unit (HRU) after being submerged. (Category I)
BRC:	Battery Replacement Center. An authorized ACR Service Center that can test and replace EPIRB batteries and reprogram 406 MHz EPIRB's UIN.
COSPAS-SARSAT:	The international cooperative among the United States, Canada, Russia and France that operates the satellite monitoring system for 406 MHz EPIRBs.
FCC:	Federal Communications Commission is a United States governmental agency responsible for regulating products manufactured in the United States, that transmit over the airwaves.
FLOATS:	The product is capable of floating in water. In the case of EPIRBs, unit must be held upright to transmit.
FLOATS UPRIGHT:	The EPIRB will float with the antenna in a vertical position, completely out of the water. Unit will transmit effectively when floating in this position.
FULL FUNCTIONAL SELF-TEST:	This feature, found on ACR 406 MHz EPIRBs, tests battery for voltage, creates a test message, sends the message, fires the strobe, and, if equipped with it, confirms the GPS is operational by conducting a GPS Circuitry Test. Single, three-position switch for easy test of battery, EPIRB and GPS operation. Regarding GlobalFix™ 406 EPIRB with Integral GPS, GPS Acquisition Test feature can be initiated by holding test switch up at the finish of self-test, and for an additional 10 seconds. GPS will power up and acquire a satellite fix. A green LED confirms a successful acquisition. This should only be done once in the life of the GlobalFix™ to minimize drain on the battery.
GPS INTERFACE:	The EPIRB has the ability to receive position data from an external source to transmit along with the emergency signal.
HIGH IMPACT POLYCARBONATE BLEND:	The extremely durable material used by ACR to withstand exposure to harmful UV, oil, seawater, impact and raft-packing.
ILS:	In Line Speaker. An EPIRB equipped with a speaker that emits an audible warble to confirm activation and transmission of distress signal or to notify of accidental activation.
INTEGRAL GPS:	406 MHz EPIRB with a built-in GPS receiver. It is self-contained and needs no external position data input when transmitting an emergency signal.
MANUAL ACTIVATION:	The EPIRB must be turned on by the user (in an emergency).
MED:	Marine Equipment Directive. European approval for equipment that conforms to IMO/SOLAS requirements.
SOLAS:	Safety of Life at Sea. Minimum safety standards agreed to by the International Maritime Organization (IMO).
STROBE:	Intense, extremely conspicuous pulsing light for enhanced location in poor visibility conditions.
USCG:	United States Coast Guard, the United States Marine SAR response agency.
WATER SENSOR ACTIVATION:	The unit will turn on when it has been armed and comes in contact with water.

Mobri Sailboat Radar Reflectors

Offers a compact lightweight design by using 40 pieces of aluminium arranged at 90° and staggered at 45°. It provides a radar cross section of 2 square metres, noiseless, light weight, low windage with less chance of chafe to the sails and rigging.

- 2" x 23"

MOB S-2-B Black
MOB S-2-W White

Mobri Sailboat Radar Reflector

The Mobri S-4 radar reflector offers the greatest reflective capacity by using 28 pieces of aluminium arranged at 90° and staggered at 22.5°. It provides a radar cross section of 4 sqm. Choose the S-4 if you sail offshore. Very good observable distance, noiseless, light weight, low windage and less chance of chafe to the sails and rigging.

- 4" x 23"

MOB S-4-B Black

Mobri Powerboat Radar Reflector

Comes with a tilting bracket. It has the same construction as the S-2, offering the same radar cross section of 2 sqm. It can be laid down, is easy to remove, noiseless, light weight and is low windage.

- 2" x 23"

MOB M-2-B Black

Parts:
MOB MBRKT-M2B Mounting bracket

Mobri Powerboat Radar Reflectors

The Mobri M-3 and M-4 are designed with a mounting bracket and are most suitable for use with power boats. The best performance is achieved when the Mobri radar reflector is mounted in a vertical position as high as possible over the deck. It should be mounted away from the “shadow” of other equipment. The radar reflector is easy to remove when not in use, just twist out and stow .

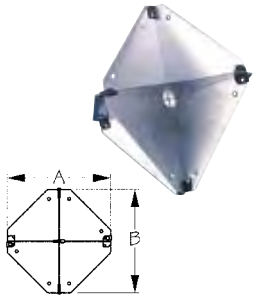
MOB M-3-B 4" x 15", Black
MOB M-3-W 4" x 15", White
MOB M-4-B 4" x 20", Black
MOB M-4-W 4" x 20", White

Parts:
MOB BASE-M3/4-B Black, base only
MOB BASE-M3/4-W White, base only

Sea-Dog Radar Reflectors

- All aluminum construction
- Built in quick corner brackets

Part #	A	B
SED 583422	10-3/4"	10-3/4"
SED 583426	17-3/4"	17-3/4"



Davis Emergency Radar Reflector

Made of special plastic-metal foil laminate. Resists corrosion or peeling. Compact. Lightweight. Folding.

- Diameter: 11.5"

DIN 151

Davis "Echomaster" Radar Reflectors

12.5" diameter, 1.3 mm aluminum, circular reflector plates provide 12 square metres maximum effective radar cross section. Quickly and easily assembled and mounted. Stows flat. Detailed instructions provided.

DIN 152 Radar reflector

Deluxe models are anodized and come with a hanging mounting system (157) with all marine grade hardware in a permanent heavy gauge vinyl storage case.

DIN 153 Hanging complete

Davis "Echomaster" Mounting Systems

Allows fixed or rail mounting. Comes with a plastic base, black anodized upright tube, two corner blocks and all the hardware to securely attach Echomaster to the unit. Installation fasteners or u-bolts for rail mounting are not included.

- Base: 2.75" x 3.75"

DIN 157

Daylight Signals for Fishing Vessels

Black 24" folding signal shapes for N.U.C. signal, etc. Vessels who do not use signals have been held liable for damage due to their nets.

STO SA-BALL
STO SA-CONE
STO SA-DIAMOND

Fox 40 Whistles

The Fox 40 is a three chamber pealess whistle designed to be heard above ambient noise, the roar of engines, breaking waves and thundering gale-force winds at up to 1 mile. The chambers are designed to self-clear when submerged in water. There are no moving parts to freeze, jam or deteriorate.

- Coast Guard Approved

FOX 9011M	Red
FOX 9012M	Yellow
FOX 9013M	Orange
FOX 9014M	Pink

Fox 40 Micro Whistles

The Micro marine whistle has no metal parts to rust or corrode. Resistant to ultraviolet and saltwater.

FOX 9531W	Red
FOX 9533W	Orange
FOX 9545W	Neon

Fox 40 Floating Wrist Lanyard & Mini Whistle

Functional and comfortable floating wrist lanyard uses flexible tubing to provide float protection. Includes mini pealess whistle.

FOX 9516WN

Fox 40 Adventure Whistle & LED Light

Combination of Micro Whistle and a dual-function LED light with fastener, strap and brass noncorrosive ring.

FOX 9945LED	Neon
FOX 9951LED	Red
FOX 9953LED	Orange

ACR WW3 Whistle

- Loud, shrill, dual tone
- Unique flat design prevents holding water
- Required by SOLAS 83
- Meets USCG/SOLAS requirements
- Use on life jackets, vests, foul weather gear, ring buoys, rafts, key chains, etc.
- Complete with 18" (45.5 cm) of lanyard

ACR 2228

Scotty Perriwhistles

Tough orange plastic. SOLAS approved.

771

SCO 771 Bulk, each

772 / 773

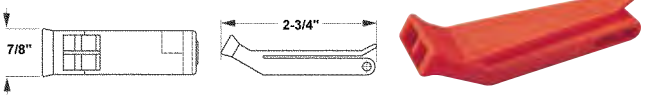
SCO 772	Blister packed 2/pkg
SCO 773	Bulk, each

Scotty Lifesaver #1 Whistle

Loud. Up to 118 dB.

SCO 780

Sea-Dog Whistle



Injection molded polypropylene with a 36" lanyard.
Duo-tone whistle has no moving parts or balls that jam or corrode.
Handy clip secures whistle until needed.

SED 571260-1

Perko Ship's Bells

- Cast bronze chrome plated finish
- Medium weight with removable bracket

Part #	Dia	Height	Finish
PER 420-008-CHR	8"	6-1/8"	Chrome
PER 420-006-POL	6"	5"	Polished Bronze

Falcon Button Signal Horns

Falcon horns use a new, environmentally safe propellant formulation which meets the latest EPA ozone protection standards. Meets Coast Guard recommendations - can be heard up to one mile away. Made in the U.S.A. and individually hand tested to assure reliability. Unbreakable plastic or chromed horn.

FAL PBSHN-CN	Push button horn
FAL PBSHNCSH-CN	Chromed horn
FAL PBSHNR-CN	8 oz refill

Falcon Push Button Junior Signal Horn

Falcon horns use a new, environmentally safe propellant formulation which meets the latest EPA ozone protection standards. Meets Coast Guard recommendations - can be heard up to one mile away. Made in the U.S.A. and individually hand tested to assure reliability. The "JR" signal horn is compact, versatile, unbreakable, and the safety choice for boaters on a budget.

FAL PBNJC-CN	Push button "JR"
FAL PBNJR-CN	5 oz refill

Falcon Sports Horn

100% ozone-safe, propellant gives more blasts per can. Rugged, high-impact plastic trumpet - guaranteed unbreakable.

FAL FSH Sports horn
FAL FSHR 5.5 oz refill

D.G.

Falcon Super Sound

This mini-horn (only 4-1/2" tall) produces a piercing blast which can be heard up to 1 mile away over water. Environmentally safe, economical, palm size convenience. Unbreakable and rust proof. Refills available in twin packs.

FAL SH3 Super Sound
FAL SH3R 1.5 oz refills (twin pack)

Innovative Lighting Hand Held Electric Horn

- Contains no CFC's
- No leaking or limited shelf life
- Weatherproof / buoyant
- Solid state electronics
- Shock resistant construction
- Requires one 9V battery (not included)
- 6.45" X 3.40"

INO 545-5010-7

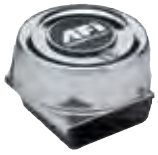
Perko Fog Horn

Enamelled aluminum with a nylon mouthpiece.

- Length: 12-1/2"

PER 162-DP-WHT

AFI Mini Horn



This horn combines compact size with a powerful tone and will mount almost anywhere. Features 18.8 stainless steel cover, diaphragm, and mounting bracket. Vibration dampening pad included. 12 volt.

- Frequency: 106 dB at 1 metre
- Max. amp draw: 2.0
- 3" L x 3-1/4" W x 1-3/4" H

AFI 10035

AFI Mini Twin Horn

This compact dual horn combines high styling with a powerful tone and is ideal for small run-a-bouts. Features 18.8 stainless steel cover, diaphragm pad included. 12 volt.

- 3" L x 8" W x 1-3/4" H
- Frequency: 425Hz/108 dB @ 1 metre
- Max. amp draw: 5.0

AFI 10001

AFI Electric Mini Hidden Horn

For enclosed areas only.

- Type 304 stainless steel
- Amp draw: 3 max.
- db rating: 107 at one metre
- 12V
- 3" x 3-1/4" x 1-3/4"

AFI 10031

AFI MiniBlast Compact Electric Horn

Stylish above deck compact horn features long lasting, noncorrosive ASA plastic cover and a matching hole pattern to the AFI 10035 horn

- db rating: 107 at one metre
- 3-3/8" W x 2" H x 4-3/8" L

AFI 10098 Black
AFI 10099 White

AFI Drop In "H" Horn

- 12 Volt with 304 stainless steel diaphragm
- Maximum amp draw: 4 Amps
- dB rating: 107 at one metre
- Fundamental frequency: 370±20
- Easy retrofit
- Comes with a black & a white grill
- Installation space 2" H x 3-3/8" W x 3-1/4" D

AFI 10079

Sea-Dog Stainless Steel Trumpet Horn- Single

- For use on vessels under 39'
- S/S finish
- 12V draws 4 amps
- db rating: 120 at one metre
- 16" L x 4" W

SED 430510

AFI Compact Trumpet Horns

Recommended for saltwater use. 18.8 stainless steel exterior. Exceeds Coast Guard specifications for vessels up to 12 metres. Vibration dampening pad included. 12V.

Part #	Type / L	Frequency	dB @ 1 Metre	Amp Draw
AFI 10010	Single / 14"	460	106	3.5
AFI 10011	Double / 16"	460/415	109	7.0

AFI Premium XLP Trumpet Horns

- Recommended for saltwater use
- 100% stainless steel exterior
- Over-molded motor housing
- Vibration dampening pad included
- Exceeds Coast Guard specifications for vessels up to 12 metres
- All inclusive 5 year warranty

Part #	Type	Freq	dB @ 1 Metre	Amp Draw
AFI 10028XLP	Single 16-1/2"	390	118	5
AFI 10029XLP	Double 18-1/2"	390/330	123	10

AFI Deluxe Trumpet Horn

These deluxe trumpet horns offer full volume sound and are excellent for saltwater use. 100% stainless steel exterior and bell bracket. Stainless steel diaphragm. Exceeds Coast Guard specifications for vessels up to 12 metres. Vibration dampening base and bracket. 5 year warranty.

Part #	Type	Frequency	Volts	Amp Draw
AFI 10018XL	Double 18-1/2"	390/330	24	4.5

AFI Single Trumpet Air Horn

This air horn provides maximum volume and is Coast Guard rated for vessels up to 20 metres. It is constructed using the finest marine grade products for saltwater use. The bells, motor cover and brackets are constructed of chrome plated solid brass. Diaphragms are made of noncorrosive Lexan. Comes complete with 12V compressor, air tubing, fittings and all mounting hardware.

- db rating: 120 at one metre
- Amp draw: 20.0
- 17" L x 3-3/4" W x 3-3/4" H

AFI 10105 12V horn

Parts:

AFI 10102 12V compressor, 4-7/8" L x 2-5/8" W includes mounting bracket

AFI Dual Trumpet Air Horns

This air horn provides maximum volume and is Coast Guard rated for vessels up to 20 metres. It is constructed using the finest marine grade products for saltwater use. The bells, motor cover and brackets are constructed of chrome plated solid brass. Diaphragms are made of noncorrosive Lexan. Comes complete with 12 volt compressor, air tubing, fittings and all mounting hardware.

- 17" L x 7" W x 3-3/4" H
- 17" & 15" horns
- db rating: 121 at one metre: 121

AFI 10106 12V, 20 amp
AFI 10624 24V, 10 amp

Parts:

AFI 10102 12V compressor, 4-7/8" L x 2-5/8" W includes mounting bracket
AFI 10224 24V compressor, 5" L x 2-5/8"W includes mounting bracket

First Aid Kit #1 Marine

Comes in a handy nylon soft pack with nylon loop to attach to a belt.

FIR N300

Qty	Description
12 pkg	Antiseptic towelettes
25 pkg	Assorted bandages
1	4" x 6" pressure dressing elastic tails
1	"J" triangular bandage
5	Medium butterfly closures
4	3" x 3" gauze pads
1	2 oz Savlon disinfectant
3	Sting stop prep pads
1 pair	Latex gloves

First Aid Kit #2 Marine

Comes in a handy nylon soft pack with nylon loop to attach to a belt.

CFK N301

Qty	Description
12 pkg	Antiseptic towelettes
25 pkg	Assorted bandages
1 pkg	"J" triangular bandage
2	3" x 4" non adherent pads
1	4" Compress bandage
1	2" Conform bandage
1	3" Tensor bandage
1	1" x 5 yds bulk adhesive tape
5	Medium butterfly closures
1 pkg	6" Cotton tip applicators 6/pkg
1	2 oz Savlon disinfectant
3	Sting stop prep pads
1	5-1/2" Surgical scissors
1 pair	Latex gloves
1	Rescue blanket
1	St. John pocket guide

First Aid Kit #3 Marine

Comes in a handy nylon soft pack with nylon carry straps.

CFK N302

Qty	Description
12 pkg	Antiseptic towelettes
25 pkg	Assorted bandages
2 pkg	"J" triangular bandage
2	3" x 4" non adherent pads
1	3" Tensor bandage
1	1" x 5 yard bulk adhesive tape
5	Medium butterfly closures
1	4" x 6" pressure dressing elastic tails
1	8" x 10" sterile surgi pads
20	4" x 4" gauze pads
2 pkg	6" Cotton tip applicators 6/pkg
1	2 oz Savlon disinfectant
10	Sting stop prep pads
1	5-1/2" Surgical scissors
1	4-1/2" Splinter forceps
12	Assorted safety pins
2	Eye pads
1 pair	Latex gloves
2	Rescue blankets
1	St. John pocket guide

First Aid Kit WCB Basic

Comes in a handy nylon soft pack with nylon carry straps.

CFK N201-2

Qty	Description
12 pkg.	Antiseptic towelettes
30 pkgs	Hand cleaner
50 pkgs	Assorted bandages
6	4" x 4" Gauze pads
2	Pressure dressing elastic tails 4" x 6"
2	8" x 10" Surgi pads
4.	"J" Triangular bandages
1	5-1/2" Bandage scissors
1	4-1/2" Splinter forceps
1 pkg.	6" Cotton tip applicators (6 per pkg.)
1	Pocket mask c/w one way valve
1	1" x 5 yard adhesive tape
1	3" Tensor bandage
6 pair	Latex gloves
1	Instant cold compress

First Aid Kit WCB Level One

Comes in a handy nylon soft pack with a nylon shoulder strap.

CFK N202-3

Qty	Description
24 pkg	Antiseptic towelettes
60 pkg	Hand cleaner
100 pkg	Assorted bandages
12	4" x 4" gauze pads
4	Pressure dressing elastic tails
2	3" Tensor bandage
1	1" x 5 yds bulk adhesive tape
4	8" x 10" sterile surgi pads
6 pkg	"J" triangular bandages
1	5-1/2" Bandage scissors
1	4-1/2" Splinter forceps
2 pkg	6" Cotton tip applicators 6/pkg
1	Pocket mask c/w one way valve
6 pair	Latex gloves
1	Accident record book
1	Pencil
1	Instant cold compress
3	Emergency blankets

Scotty First Aid Kit

Contains 16 essential items, over 85 pieces, all in rugged watertight buoyant container. Also included is a bonus Lifesaver #1 safety emergency whistle.

SCO 789

Qty	Contents
1	Tweezers
1	Triangular Bandage
10	Antiseptic Towelettes
4	Cotton Tip Applicators
1	First Aid Booklet
4	Latex Gloves
1/2" x 5 yds	Adhesive Tape
2	Antiseptic Ointment Pad
2	12 Ply Gauze Pads
1	Conform Gauze 2" Roll
2	Finger Tip Bandages
2	Ammonia Inhalant Pads
2	Knuckle Bandages
50	Adhesive Strips
1	Scissors

Spinlock Deckvest Inflatable / Harness

It's soft contoured shape coupled with complete life jacket and harness security meets the demands of today's performance sailing.

- Approved to ISO12402-3; the new International standard for lifejackets and ISO12401 for deck safety harnesses
- Compact 3D shape, with front opening belt system for fast and secure fitting every time
- Wide range of chest and back adjustment for perfect tailored fit
- Soft loop harness attachment point
- High Spec Auto Inflating 150N Lifejacket, fitted with spray hood
- UML Pro-Sensor activation head with visible indicator to show activation status
- Water activated high intensity flashing light
- Thigh straps

Sprayhood

SPI DW-LJH/A1 Chest: 23 - 35.5"
SPI DW-LJH/A2 Chest: 29 - 48"
SPI DW-LJH/A3 Chest: 38 - 59"

Parts:
SPI DW-RAK Re-arm kit
SPI DW-MAK Manual conversion kit

Spinlock Deck Pro Harness

- Super light, comfortable and easy to fit
- Wearable with Mast Pro harness
- Instantly fitted unique front opening belt system fits fast and securely first time, using '2T' fastener
- Quick adjust 'Doubleback' buckles in stainless steel
- Shoulder straps are shaped towards the centre of the chest, for exceptional comfort and freedom of movement
- Lightweight tether attachment loop
- Knife pouch accessory

SPI DW-DPH Chest: 37.5" - 46.5"

Spinlock Mast Pro Harness

- Secure alternative to a bosun's chair
- Quick adjust 'doubleback' buckles in marine grade stainless steel
- Extra tough IBQ Cordura leg strap covers
- Ergonomic sculptured waist belt and wide leg straps for added comfort & lumbar support
- Neoprene buckle covers to prevent snagging
- Replaceable elastic components
- Tripping spike pocket
- Tool attachment points

SPI DW-MPH Waist: 24" - 40", Leg: 18" - 25"

Spinlock Safety Lines

These lines come in the approved standard lengths, complete with one-handed opening, double action clips and overload indication.

DW-SFL/02

- Double clip, 2m, 208gr (7.33 lb)

SPI DW-SFL/02

DW-SFL/03

- Triple clip, 1 x stretch 2 m, 1 x non-stretch 1m & attachment clip, 552gr (19.47 lb)

SPI DW-SFL/03

Racing Safety Lines

NEW

DW-STR/2L

- Lighter more compact safety lines for performance sailing
- Ultra compact line version
- Unique FEA-lightened clip; easy action, full strength
- Lightweight looped cow hitch attachment as standard
- Full strength compact 16mm line 28% lighter than the 25mm standard
- Dry-Coated to prevent water absorption and reduce weight gain
- Overload indicator displays when the load has exceeded 500kgs to show the line needs replacing

DW-STR/2LE

- Single clip, 2m, 208gr (7.33 lb)

SPI DW-STR/2L

DW-STR/3L

- Single clip, stretch 2m, 210gr (7.4 lb)

SPI DW-STR/2LE

- Double clip, 1 x stretch 2m, 1 x non-stretch 1m, 370gr (13.05 lb)

SPI DW-STR/3L

By wearing the easily stowed (optional) safety line 'cutter', any safety line will satisfy ISAF and ORC recommendations by providing a means of disconnection under load.

Spinlock Cutter & Pouch

With a guarded razor edge and stowed either in the special pocket on the Deckvest or in a simple pouch worn on the life jacket harness, the 'S-Cutter' is made for severing safety lines under load by providing a reliable 'means of disconnection'. Anyone wearing the Cutter satisfies ISAF and ORC recommendations, whatever type of safety line and whatever the type of clip used.

SPI DW-CTR

spinlock

Back Front

New ZERO High Agility Sports Sailing Vest

Spinlock's new 'Zero' is a low-bulk 50N flotation vest designed specifically for the performance user. Its lean shape and supple construction make it ideally suited for the agile and intensive teamwork that decides success in the Sportsboat sector.

Spinlock Development Director Chris Hill describes how Spinlock took a completely fresh look at how sports sailors interact physically with boat and gear under race conditions. "Research revealed that present flotation wear has become over-restrictive for high-agility competitive keelboat racing. Zero's low bulk, dynamic element construction and high-stretch panelling overcome the problem, by giving full articulation and unrestricted upper body movement".

"It showed also that most flotation wear can block the drying and cooling effect of base layers and breathable spray tops. By using a combination of open mesh panels and a vented back, Zero effectively becomes the final layer of the breathable system. This integral ventilation is another real advantage in intensive racing".

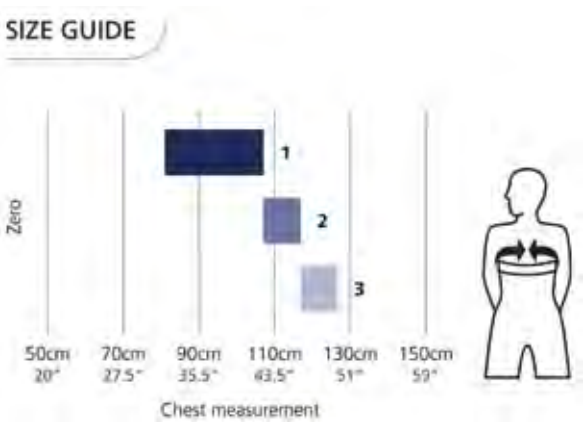
Hand warmer Pocket

Internal Belt

Internal Belt

Ventilation

Availiable Spring 2010

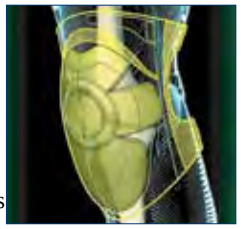


Spinlock Wrist Support

Adjustable wrist support is a high strength elastic wrist wrap designed to provide custom support and aid central and lateral wrist stabilization for long periods of time helming and grinding.

SPI DW-WSP Pair, universal size

Spinlock Knee Pads



Working with a leading knee specialist, Deckware knee pads have been especially developed to provide patella support and protection, through high density moulded foam. Ergonomically shaped to maintain position and prevent slipping, the knee pads are covered in ultra tough IBQ Cordura fabric to resist abrasion. Low volume, breathable back panelling prevents bulking and provides added comfort. Adjustment allows for wearing over and under wet weather trousers as well as shorts.

SPI DW-KPD Small/medium, pair
SPI DW-KPD/L Large, pair

Wichard Elastic Safety Tethers

Elastic harness tether, conforms to B.S.1. with 2 stainless steel carbine hooks. Retracts from 2 to 1 metre - break load 4580 lbs.

WIC 7001

Retractable tether with 2 double action hooks. Break load 4580 lbs.

WIC 7005

Triple tether has 1- 3' tether and 1 - 6' retractable tether. 3 double action hooks - Break load 4580 lbs.

WIC 7006

Cal-June Child Safety Harness

Complete safety for children up to 10 years of age. Light weight comfort. All hardware stainless steel or bronze. Straps are extra long to fit all sizes - cut off excess length and seal ends with glue or heat to prevent fraying. Designed to secure child from front and keep head upright. Must be worn with main belt high under armpits. Complete with lanyard and snap.

CAL 722

HELLY HANSEN

Over 125 years of experience behind every product

nautilus BY PROTEXION

NIV500
NIV600
Inflatable Vest

M101
All-Purpose Vest

Echo II Coat
HFC1000

Delta II One Piece Suit
HFS1000

Helly Hansen Flotation Products Sizing Chart

M500				
	WEIGHT RANGE		CHEST SIZE	
SIZE	lbs	kg	in	cm
S	90	41	32-36	81-91
M	90	41	36-40	91-102
L	90	41	40-44	102-112
XL	90	41	44-50	112-127
2XL	90	41	50-54	127-137

M101				
	WEIGHT RANGE		CHEST SIZE	
UNIVERSAL	lbs	kg	in	cm
	90	41	34-57	86-145

ADULT LIFEJACKETS (M502, M504)				
	WEIGHT RANGE		CHEST SIZE	
	lbs	kg	in	cm
UNIVERSAL	90	41	30-50	76-127

CHILD LIFEJACKET (M503)				
	90 and under	40 and under	30 and under	76 and under

M110, M610				
	WEIGHT RANGE		CHEST SIZE	
SIZE	lbs	kg	in	cm
S/M	90	41	34-41	86-105
L/XL	90	41	42-49	106-125
2XL/3XL	90	41	50-57	126-146

FLOTATION SUITS AND COATS								
	WEIGHT RG.		CHEST SIZE		WAIST		INSEAM	
SIZE	lbs	kg	in	cm	in	cm	in	cm
S	90	41	34-37	86-94	28-32	71-81	28-30	71-76
M	90	41	38-41	96-104	33-36	81-91	30-31	76-79
L	90	41	42-45	106-114	36-40	91-102	31-32	79-81
XL	90	41	46-49	116-124	40-44	102-112	31-32	79-81
2XL	90	41	50-53	126-134	44-48	112-123	32-33	81-84
3XL	90	41	54-57	136-144	48-52	123-132	32-33	81-84

INFLATABLES				
	WEIGHT RANGE		CHEST SIZE	
	lbs	kg	in	cm
UNIVERSAL	80	36	30-52	76-132

Feb. 2010

Helly Hansen Foxtrot II Bomber

- Waterproof 210 denier outer shell
- Taped seams
- SOLAS reflective tape on shoulders, over cuffs, front storm flap and collar
- High visibility, lined, stow-away hood with adjustable cordlock for maximum safety
- Double storm flap with velcro closure
- #10 Vislon two way front zipper
- Chest fleece lined hand warmer pockets with drainage eyelets
- Fleece lined collar
- Soft PVC foam
- Zippered inner pocket for extra storage
- Inner adjustable neoprene cuff with over cuff
- Waist band elasticized for secure fit
- Accessory patch for personal locator beacon
- High rise storm collar
- Approved Standard: CAN/CGSB 65.11-M88
- Colour: Red/Black

HHP HFJ1000S	Small
HHP HFJ1000M	Medium
HHP HFJ1000L	Large
HHP HFJ1000XL	XL Large
HHP HFJ10002XL	2XL Large

Helly Hansen Echo II Parka

- Waterproof 210 denier outer shell
- Taped seams
- SOLAS reflective tape on shoulders, over cuffs, front storm flap and collar
- High visibility, lined, stow-away hood with adjustable cordlock for maximum safety
- Double storm flap with velcro closure
- #10 Vislon two way front zipper
- Chest fleece lined hand warmer pockets with
- drainage eyelets
- Lower front cargo pockets, velcro closure with drainage eyelets
- Fleece lined collar
- Adjustable waist for comfort and protection from the elements
- Soft PVC foam
- D-ring attachment for motor kill switch
- Zippered inner pocket for extra storage
- Inner adjustable neoprene cuff with over cuff
- Accessory patch for personal locator beacon
- High rise storm collar
- Approved Standard: CAN/CGSB 65.11-M88
- Colour: Red/Black

HHP HFC1000S	Small
HHP HFC1000M	Medium
HHP HFC1000L	Large
HHP HFC1000XL	XL Large
HHP HFC10002XL	2XL Large

Helly Hansen Hotel II Bib Pant

- Waterproof 210 denier outer shell
- Taped outer shell seams
- Adjustable suspenders with side release buckle
- SOLAS reflective tape on front storm flap
- Elastic waist for a secure fit
- #10 Vislon two way front zipper
- Double front storm flap
- Adjustable ankle straps
- Chest fleece lined hand warmer pockets
- Front zippered side entry pocket with mesh pocket bags
- Front thigh cargo pockets, zipper closure with drainage eyelets
- Reinforced knees, seat and hem of 420D nylon
- D-ring attachment for motor kill switch
- Accessory patch for personal locator beacon
- Soft PVC foam
- Colour: Black

HHP HFP1000S	Small
HHP HFP1000M	Medium
HHP HFP1000L	Large
HHP HFP1000XL	XL Large
HHP HFP10002XL	2XL Large

Helly Hansen Delta II One-Piece Suit

- Waterproof 210 Denier outer shell
- Taped outer shell seams
- SOLAS reflective tape on shoulders, over cuffs, front storm flap and collar
- High visibility, lined, stow-away hood with adjustable cordlock for maximum safety
- Double storm flap with velcro closure
- #10 Vislon two way front zipper
- Chest fleece lined hand warmer pockets with drainage eyelets
- Front thigh cargo pockets, zipper closure with drainage eyelets
- Fleece lined collar
- Adjustable waist, thigh and ankle strap for comfort and protection from the elements
- Soft PVC foam
- Leg zip inner gusset for easy access
- D-ring attachment for motor safety switch
- Inner adjustable neoprene cuff with over cuff
- Accessory patch for personal locator beacon
- Reinforced knees, seat and hem of 420D nylon
- High rise storm collar
- Zippered Inner pocket for extra storage
- Approved Standard: CAN/CGSB 65.11-M88
- Colour: Red/Black

HHP HFS1000S	Small
HHP HFS1000M	Medium
HHP HFS1000L	Large
HHP HFS1000XL	XL Large
HHP HFS10002XL	2XL Large

Helly Hansen Sierra Parka

- Waterproof 210 denier nylon outer shell with polyurethane coating
- Taped seams
- Fleece lined collar
- High visibility, lined, stow-away hood with adjustable fit
- Accessory patches for personal locator beacon
- SOLAS reflective striping for maximum visibility
- Double storm flap with Velcro closure
- Zippered map pocket accessible under storm flaps
- Left sleeve accessory pockets for pencil, penlight or light stick; SOLAS approved whistle included
- Front chest fleece lined hand warmer pockets
- External waist belt with dual adjustment buckle
- D-ring for attachment of motor kill switch
- Neoprene adjustable storm cuff with outer zipped over cuff
- Lower cargo pockets with zipper closure and internal D-rings to secure accessories
- Hem shockcord with adjustable cordlocks at left and right side
- TC/Cdn Coast Guard approved PFD
- Colour: Orange/Black

HHP 78001-S	S	(34" - 37" chest)
HHP 78001-M	M	(38" - 41" chest)
HHP 78001-L	L	(42" - 45" chest)
HHP 78001-XL	XL	(46" - 49" chest)
HHP 78001-2XL	XXL	(50" - 53" chest)
HHP 78001-3XL*	XXXL	(54" - 57" chest)

* Request Item

Helly Hansen Alpha One-Piece Suit

- Waterproof 210 denier nylon outer shell with polyurethane coating; taped seams
- Fleece lined collar
- SOLAS reflective striping for maximum visibility
- Double storm flap with Velcro closure
- Zippered map pocket accessible under storm flaps
- Front chest fleece lined hand warmer pockets
- External waist belt with dual adjustment buckle
- Lower cargo pockets with zipper closure and internal D-rings to secure accessories
- D-ring for attachment of motor kill switch
- Hem shockcord with adjustable cordlocks at left and right side
- Adjustable thigh strap
- Articulated reinforced knee & seat of 420D coated nylon
- Leg zip with inner gusset for easy access
- Adjustable ankle strap for comfort and protection from the elements
- Back neck webbing handle
- TC/Cdn Coast Guard approved PFD
- Colour: Orange/Black

HHP 78603-S	S	(34" - 37" chest)
HHP 78603-M	M	(38" - 41" chest)
HHP 78603-L	L	(42" - 45" chest)
HHP 78603-XL	XL	(46" - 49" chest)
HHP 78603-2XL	XXL	(50" - 53" chest)
HHP 78603-3XL*	XXXL	(54" - 57" chest)

* Request Item

Buoy-O-Boy Red Vest

Canadian Coast Guard approved. Long lasting, economically priced, light weight, puncture resistant foam and red nylon construction. Zipper front with single belt. Designed for 30" to 60" chest and 90 lbs and over.

- TC/Cdn Coast Guard approved PFD
- Colour: Red
- Adult universal

NAU 769

Helly Hansen All Purpose Vest

- Lightweight PE foam
- Easy-to-use side release buckles
- Elasticized sides for a better fit
- Split back foam panel for comfort and easy storage
- TC/Cdn Coast Guard approved PFD
- Adult universal, 90+ lbs

HHP M101R	Red/Navy	34" - 57" chest
HHP M101Y	Yellow/ Navy	34" - 57" chest

Helly Hansen Industrial Vests

- SOLAS reflective tape on shoulders
- Foam side panels contour body
- Accessory patch and 'D' ring
- TC/Cdn Coast Guard approved PFD
- Colour: Orange/Black

HHP M110 S/M	S/M	34" - 41" chest
HHP M110 L/XL	L/XL	42" - 49" chest
HHP M110 2/3XL	XXL/XXXL	50" - 57" chest

Helly Hansen Industrial Vests

- Deep armholes
- Soft PVC foam
- SOLAS reflective tape on shoulders
- Mesh upper with neoprene collar
- Two large mesh pockets, whistle & 'D' ring
- TC/Cdn Coast Guard approved PFD
- Colour: Orange

HHP M610 S/M	S/M	34" - 41" chest
HHP M610 L/XL	L/XL	42" - 49" chest
HHP M610 2/3XL	XXL/XXXL	50" - 57" chest

Nautilus First Mate Series Premium Kid's Vest

- New short design permits maximum mobility
- TC/Cdn Coast Guard approved PFD
- Colour: Gold

NAU NV530	Infant	20 - 30 lbs
NAU NV560	Child	30 - 60 lbs
NAU NV590	Youth	60 - 90 lbs

Features:	Benefits:
3 piece articulated collar	Cradles the head in the water
Collar lays flat against back	Less obtrusive when out of water
Short, low profile design	Comfortable in a seated position
Crotch strap	Reduces ride up
Mesh sides	Comfort, breathability
Grab strap	Can easily retrieve child from water
Soft PVC foam	Comfortable to wear

Nautilus Odyssey Junior Sport Vest

- Perfect for water sports
- TC/Cdn Coast Guard approved PFD
- Colour: Gold/Black
- Universal size, 90 lbs -

NAU NJV100

Features:	Benefits:
Extra large armholes	Maximum range of motion
4 Adjustable belts	Adjustable fit

Nautilus Odyssey Sport Vest

- Suitable for all types of boating.
- TC/Cdn Coast Guard approved PFD
- Colour: Gold/Royal
- Colour: Gold/Black
- Adult universal, 90 lbs +

NAU NAV100

Features:	Benefits:
Open side design	Fully customized fit
Generous cut	Maximum range of motion and comfort

MUSTANG SURVIVAL

WE SAVE LIVES FOR A LIVING

for all Your Marine Solutions

HI-VIS SOLUTIONS

Hi-Visibility Flotation Coat MC1505 T3

Compliant with both CSA and WCB standards.

- Engineered to provide warmth and durability
- Closed-cell foam delays in-water onset of hypothermia

Hi-Visibility PFD with HIT™ MD3153 T3

Constructed with 64 square inches of SOLAS reflective tape. Exclusive to Mustang Survival – Hydrostatic Inflator Technology (HIT™) puts an end to inflation from rain or spray.

- Approved by Transport Canada
- Exclusive HIT™ technology – no more accidental inflations

SOLUTIONS FOR SEVERE CONDITIONS

Heavy Duty Inflatable PFD with HIT™ MD3153 HD

Specifically designed for serious users who experience the most severe marine conditions. The heavy duty fabric improves puncture and abrasion resistance and is easy to clean. Other new innovations include a damage tolerant inflator cover that reduces wear and protects the inflator cap. **Exclusive HIT™ technology – no more accidental inflations**

- Designed to stand up to harsh environments for professional users
- Easy to clean fabrics

WATER RESCUE SOLUTIONS

Rescue Stick™ MRD101

Best used for reaching victims who are further away, the Rescue Stick™ can be easily thrown over 100 feet with accuracy. In seconds upon water contact, it automatically inflates to a large horseshoe shape with handles. Be prepared, and always keep an extra re-arm kit on hand - MA7206.

For more info and to see our full product line, please visit: **mustangsurvival.com**

Nautilus Odyssey Boating Vest

- TC/Cdn Coast Guard approved PFD
- Colour: Red/Black

NAU NAV200XXS-RD	XXS/XS
NAU NAV200S/M-RD	S/M
NAU NAV200L/XLRD	L/XL
NAU NAV200XXL-RD	XXL/XXXL

Features:	Benefits:
Bright colours on upper torso	Highly visible
Foam side panels contour body	Comfortable to wear
Waist and side adjustment	Adjustable fit
Soft, PVC foam	Comfortable to wear

Nautilus Odyssey Watersport Vest

- TC/Cdn Coast Guard approved PFD
- Colour: Red/Blue

NAU NAV400S-R	S
NAU NAV400M-R	M
NAU NAV400L-R	L
NAU NAV400XL-R	XL
NAU NAV400XXL-R	XXL

Features:	Benefits:
Bright safety colour	Highly visible
Soft PVC foam	Comfortable to wear
4 Belt design	Snug fit, enhanced protection when you hit the water

Nautilus Frontier Mesh Vest

- TC/Cdn Coast Guard approved PFD
- Colour: Red

NAU NSV200S/M	S/M
NAU NSV200L/XL	L/XL
NAU NSV200XXL	XXL/XXXL

Features:	Benefits:
Mesh upper with neoprene collar	Comfortable & cool
Large mesh pockets, whistle & D ring	Lots of storage
Deep armholes	Maximum range of motion
Soft, PVC foam	Comfortable to wear

Mustang Classic Children's Vest

- Head cushion adds extra buoyancy and cradles head in water
- Safety grab strap for ease of rescue
- Adjustable waist belt and crotch strap
- TC/Cdn Coast Guard approved PFD
- Colour: Red/Black

MUS MV1203-RD/BK	Infant	20 - 30 lbs
MUS MV1205-RD/BK	Child	30 - 60 lbs
MUS MV1207-RD/BK	Youth	60 - 90 lbs

Mustang Deluxe Children's Vest

- Neoprene comfort collar
- Durable mesh back for better air circulation and comfort
- Rounded barrel design and added AirSoft™ foam for a more comfortable fit
- Mesh pocket
- Adjustable waist belt and crotch strap(1340,1345)
- TC/Cdn Coast Guard approved PFD
- Colour: Cobalt/Yellow

MUS MV1340-YL/CO	Infant	20 - 30 lbs
MUS MV1345-YL/CO	Child	30 - 60 lbs
MUS MV1350-YL/CO	Youth	60 - 90 lbs

Mustang Recreational Boater's Vest

- Classic style is suitable for any boating activity from cruising/power boating to water sports
- Side adjustment straps for a custom fit
- Reflective logo for added visibility
- TC/Cdn Coast Guard approved PFD
- Colour: Red/Carbon

MUS MV1291SR	S
MUS MV1291MR	M
MUS MV1291LR	L
MUS MV1291XLR	XL
MUS MV1291XXLR	XXL

Mustang Classic Watersport's Vest

- Three adjustable buckle design
- TC/Cdn Coast Guard approved PFD
- Colour: Cobalt/Silver/Black

MUS MV1275S-C/S/B	S
MUS MV1275M-C/S/B	M
MUS MV1275L-C/S/B	L
MUS MV1275XL-C/S/B	XL
MUS MV1275XXL-C/S/B	XXL

Mustang Industrial Vest

These survival vests are lightweight, comfortable and easy to work in. All stress points are double stitched for extra strength. Anatomical fit around shoulders ensures added comfort and fit. Open side design with four Tug-Tite adjustment straps for individual fit.

- Noncorrosive zipper
- Large arm holes for greater mobility
- SOLAS reflective tape on shoulders
- TC/Cdn Coast Guard approved PFD
- Colour: Orange

MUS MV3107S	S	32" - 36" chest size
MUS MV3107M	M	36" - 40" chest size
MUS MV3107L	L	40" - 44" chest size
MUS MV3107XL	XL	44" - 48" chest size
MUS MV3107XXL	XXL	over 48" chest size

Mustang Deluxe Paddling Vest

- Low profile construction contours to the body
- Front entry allows maximum comfort and mobility
- Wide range of shoulder, side, and waist adjustments
- Large, accessible, secure double chest pockets
- 500-Denier outer shell fabric
- SOLAS reflective tape on upper back
- Fast-tab radio clip
- Colour: Red/Carbon

MUS MV5801S/MRC	S
MUS MV5801M/LRC	M
MUS MV5801L/XLRC	XL
MUS MV5801XL/XXLRC	XXL

Mustang Search and Rescue Vest

- Two large front cargo pockets with easy to use pull tabs for extra storage
- SOLAS reflective tape for high visibility
- TC/Cdn Coast Guard approved PFD
- Large cutaway armholes for maximum range of motion
- Neoprene-lined, fitted collar
- 3-belt system for a custom fit
- Fast-tab radio clip
- Colour: Red

MUS MV5601S-RD	S
MUS MV5601M-RD	M
MUS MV5601L-RD	L
MUS MV5601XL-RD	XL
MUS MV5601XXL-RD	XXL

Mustang Floater Coat

- Hypothermic and flotation protection
- Construction provides enhanced waterproofing
- Zipper closures on front pockets
- Full length front storm flap
- TC/Cdn Coast Guard approved PFD
- Colour: Red

MUS MC1505M-RD	M	Chest 38" - 42"
MUS MC1505L-RD	L	Chest 42" - 46"
MUS MC1505XL-RD	XL	Chest 46" - 50"

Mustang High Visibility Floater Coat

- Hypothermic and flotation protection
- Construction provides enhanced waterproofing
- Zipper closures on front pockets
- Full length front storm flap
- TC/Cdn Coast Guard approved PFD
- Colour: Yellow/ Green

MUS MC1505T3-M	M	Chest 38" - 42"
MUS MC1505T3-L	L	Chest 42" - 46"
MUS MC1505T3-XL	XL	Chest 46" - 50"
MUS MC1505T3-XXL	XXL	Over 50"

Mustang Integrity Coat

Built with traditional Mustang AirSoft insulating foam, with a roomy fit that won't interfere with any of your activities. New water-resistant Comfort Cuff™ can be tightened to prevent water from entering sleeve.

- New two-way volume adjustable hood with single-hand tightening can be stowed in collar
- New water-resistant urethane-coated zips
- Hypothermia and flotation protection
- Relaxed fit for comfort and mobility
- Fleece-lined collar
- Front cargo pockets and hand-warmer pockets
- Under-arm zipper vents
- Chest pocket for extra storage
- TC/Cdn Coast Guard approved PFD
- Colour: Red/Carbon

MUS MC1525S-RD/CA	S	Chest 24" - 38"
MUS MC1525M-RD/CA	M	Chest 38" - 42"
MUS MC1525L-RD/CA	L	Chest 42" - 46"
MUS MC1525XLRD/CA	XL	Chest 46" - 50"

Mustang Integrity Bomber Jacket

- Tug-Tite waist adjustment provides enhanced waterproofing as well as a relaxed fit
- Water resistant comfort cuffs
- Fleece lined collar with stowaway hood and fleece lined front pocket
- Vented underarms
- TC/Cdn Coast Guard approved PFD
- Colour: Red / Carbon

MUS MJ6225M-RD/CA	M	Chest 38" - 42"
MUS MJ6225L-RD/CA	L	Chest 42" - 46"
MUS MJ6225XLRD/CA	XL	Chest 46" - 50"
MUS MJ6225XXLRDCA	XXL	Chest over 50"

Mustang Ocean Commander Immersion Suit

What makes this suit so unique is that it's 45% lighter than conventional neoprene suits, which translates into easier access and far better mobility. All the seams are welded, not glued, to give the most waterproofing and durability available. Detachable inner buoyant liner provides maximum flotation and insulation.

- Hood offers a water-tight fit.
- Face seal gives top protection from water and wind exposure.
- Full length body zipper gives a water-tight seal.
- 5 mm neoprene detachable mitts provide warmth and stow in sleeve pockets. Mitts can be quickly removed when dexterity is crucial.

- Durable rubber soles provide traction on wet surfaces.
- Detachable inner buoyancy liner constructed of closed-cell AirSoft foam for maximum flotation and thermal insulation. Liner can be unsnapped and removed for in-the-field repairs and cleaning.
- Inflatable head pillow supports the head at an optimum flotation angle and provides additional buoyancy.
- SOLAS grade reflective tape on shoulders and arms aids in night-time detection.
- High-pitch hailing whistle and buddy line included.
- Compact storage case - storage volume has been reduced by about 17% compared to a conventional neoprene suit.
- Welded nylon outer shell provides waterproofing. High performance urethane coated nylon exterior makes repairs and cleaning easier.
- Neoprene wrist seals - new design allows for easy donning and a better seal.
- Body mass: 110-330 lbs (50-150 kg), Height: 4'11"- 6'7" (1.5-2m)

Approval: TC Approved, SOLAS Certified
Sizes: Universal Adult

SVT OC8001 Yellow

Helly Hansen Small Vessel Lifejacket

- S.O.L.A.S. reflective tape on shoulders
- Orange shell
- Grab strap on back of collar
- Safety whistle
- Adult universal sizing
- Approved to Standard CAN/CGSB 65.7-M88

HHP M504

Mustang Small Vessel Crew Vest

This is a small vessel regulation lifejacket. It offers comfort and buoyancy. The large collar provides head support and increased stability in water. Dual adjustable belts and grab strap. Fully reversible unit has retro-reflective tape.

- Canadian Coast Guard approved Small Vessel Regulation lifejacket CGSB #CAN2-65.7-M80
- Colour: Orange
- Adult universal, 30" - 50" chest

MUS MVC10

Mustang Canadian Standard Lifejacket

Designed to exceed Canadian Coast Guard standards for vessels in Canadian waters. Long lasting, light weight, puncture resistant foam and nylon construction provides 30 lbs. of buoyancy. Features include block foam design for easy storage, polypropylene tie straps for strength and retro-reflective tape for visibility.

- Canadian Coast Guard approved TC CAN/CGSB 65-GP-14M
- Colour: Orange

MUS MD 8010	Adult / over 40kg (88 lbs)
MUS MD 8015	Child / under 40kg (88 lbs)
MUS DON.CARD	Donning card for the 8010

Helly Hansen Keyhole Lifejacket

- SOLAS reflective tape
- Side pockets with SOLAS whistle
- Side pocket and web strap for SOLAS personal locator light
- Approved to CAN/CGSB 65-GP-14M
- Transport Canada approved Standard Life jacket
- Colour: Orange

HHP M502	Adult universal	(30" - 50" chest)
HHP M503	Child universal	

Mustang Survival SOLAS Lifejacket

Lightweight foam provides 40 lbs. of buoyancy. The unique head and neck support collar improves in-water performance. Designed for stable and convenient storage. Retro-reflective tape for visibility and the vest can be fitted with D.O.T. approved rescue lights. Includes whistle.

- Canadian Coast Guard approved life jacket #029.011.001 (MD8000) #029.012.001 (MD8005)
- Colour: Orange
- Self-righting

MUS MD8000	Adult (over 32 kg/ 70 lbs)
MUS MD8005	Child (under 32 kg/ 70 lbs)

Nautilus Inflatable - Manual

- Articulated neck
- Short low profile design
- Safety whistle included
- 35 lbs of buoyancy
- Adult universal size
- TC/Cdn Coast Guard approved PFD

NAU NIV500RED Red

Parts:

NAU RKM6F Re-arm kit

Nautilus Inflatable - Automatic

- Articulated neck
- Short low profile design
- Safety whistle included
- 35 lbs of buoyancy
- Adult universal size
- TC/Cdn Coast Guard approved PFD

NAU NIV600RED Red

Parts:

NAU RKA6F Re-arm kit

Nautilus Deluxe Inflatables - Manual

- Mesh back
- Bright yellow inflation chamber
- Articulated neck & short, flat design
- Fleece lined collar
- Easy-to-see service indicator
- Safety whistle
- SOLAS reflective tape inside & out
- 35 lbs of buoyancy when inflated
- Adult universal size
- TC/Cdn Coast Guard approved PFD

NAU NIV1000BLK Black/Charcoal
NAU NIV1000RED Red/Navy

Parts:

NAU NRK1000 Re-arm kit

Nautilus Deluxe Inflatables - Automatic

- Mesh back
- Bright yellow inflation chamber
- Articulated neck & short, flat design
- Fleece lined collar
- Easy-to-see service indicator
- Safety whistle
- SOLAS reflective tape inside & out
- 35 lbs of buoyancy when inflated
- Adult universal size
- TC/Cdn Coast Guard approved PFD

NAU NIV2000BLK Black/Charcoal
NAU NIV2000RED Red/Navy

Parts:

NAU NRK2000 Re-arm kit

► *Also See: Spinlock Deckvest pg 700*

Mustang Classic Inflatable - Manual

- Manual inflatable life vest capable of righting a face down person in seconds
- Comfortable inflated or un-inflated
- Quick release buckle
- Fits chest sizes 30" - 52"
- TC/Cdn Coast Guard approved PFD

MUS MD3010-NV Navy

Parts:

MUS MA7174 Re-arm kit

Classic Inflatable - Automatic

- Exclusive Auto-Inflate feature uses a water sensitive system to automatically inflate the vest upon immersion in water
- The vest can also be manually inflated at any time
- TC/Cdn Coast Guard approved PFD

MUS MD3017-NV Navy

Parts:

MUS MA7270 Re-arm kit

Mustang Deluxe Inflatable - Manual

MD3051-NV

- Comfortable neoprene collar
- Easy-to-re-arm and repack
- Safety inspection window; green indicates inflator is ready for use
- TC/Cdn Coast Guard approved PFD

MUS MD3051-RD Red
MUS MD3051-NV Navy
MUS MD3052-NV Navy w/ harness

Parts:

MUS MA7203 Re-arm kit

MD3052-NV

Deluxe Inflatables - Automatic

- Automatically inflates the vest upon immersion in water
- Comfortable neoprene collar
- Easy-to-re-arm and repack
- Safety inspection window; green indicates inflator is ready for use
- TC/Cdn Coast Guard approved PFD

MUS MD3053-NV Navy
MUS MD3053-RD Red

Parts:

MUS MA7202 Re-arm kit

MD3053-RD

Mustang Re-Arm Cartridges

- CO2 cartridges for models MD1165 and MIV10

MUS MI5700

* Use only Mustang Survival re-arm kits. Use of other re-arm kits may result in improper operation or failure to operate and will void the product's warranty.

Mustang Hydrostatic Activation Inflatables- Automatic

A new hydrostatic inflation technology, and a durable, easy-to-repack SecureZip PFD closure system. Hydrostatic pressure is applied to objects submerged in water. The new hydrostatic inflator needs only to be submerged 4 inches (10 cm) for hydrostatic pressure to open a pressure valve which releases a firing mechanism that automatically inflates the PFD.

- Hammar 1F auto hydrostatic inflator is maintenance free for 5 years
- Lightweight and comfortable design
- Neoprene comfort collar
- 35 lb buoyancy when inflated
- Cylinder is contained inside bladder to protect against corrosion
- Durable 420-Denier nylon and heavy duty polyurethane coated nylon
- Strobe light holder, safety whistle and SOLAS reflective tape on bladder
- Backup oral inflation tube
- D-ring for kill switch attachment
- TC/Cdn Coast Guard approved PFD

MUS MD3153RD/BK Red/Black
MUS MD3153CA/BK Carbon/Black

Parts:
MUS MA7214 Re-arm kit

Mustang Hydrostatic Activation Inflatables High Visibility ANSI - Automatic

A new hydrostatic inflation technology, and a durable, easy-to-repack SecureZip PFD closure system. Hydrostatic pressure is applied to objects submerged in water. The new hydrostatic inflator needs only to be submerged 4 inches (10 cm) for hydrostatic pressure to open a pressure valve which releases a firing mechanism that automatically inflates the PFD.

- High visibility ANSI approved fluorescent yellow-green cover
- 64 sq. in. of ANSI reflective tape
- Back flap with reflective tape
- Hammar 1F auto hydrostatic inflator is maintenance free for 5 years
- Lightweight and comfortable design
- Neoprene comfort collar
- 35 lb buoyancy when inflated
- Cylinder is contained inside bladder to protect against corrosion
- Durable 420-Denier nylon and heavy duty polyurethane coated nylon
- Strobe light holder, safety whistle and SOLAS reflective tape on bladder
- Backup oral inflation tube
- D-ring for kill switch attachment
- TC/Cdn Coast Guard approved PFD

MUS MD3153HD ANSI Orange/Black
MUS MD3153T3 ANSI Yellow/Green

Parts:
MUS MA7214 Re-arm kit

Inflatable Features:

Mustang Inflatables	MD3010 Series	MD3017 Series	MD3051 Series	MD3052 Series	MD3053 Series	MD3153 Series
Manual	●		●	●		
Automatic w/ Manual Back-up		●			●	*H
Inspection Window for Inflator			●	●	●	●
Integrated Sailing Harness				●		
Backup Oral Inflation	●	●	●	●	●	●

Nautilus Inflatables	NIV-500 Series	NIV-600 Series	NIV-1000 Series	NIV-2000 Series
Manual	●		●	
Automatic w/ Manual Back-up		●		●
Inspection Window for Inflator			●	●
Integrated Sailing Harness				
Backup Oral Inflation	●	●	●	●

*(H) Hydrostatic activation

► *Also See*: *Rescue Stick pg 684*

Paws Aboard Dog Vests

Constructed to provide buoyancy, along with a secure fit, the Paws Aboard Doggy life jackets feature an advanced breathable mesh underbelly for proper draining and drying, which provides your dog more comfort and healthier conditions than traditional pet life jackets made with neoprene, which can cause heat exhaustion and chafing.

- Reflective strips for maximum visibility
- Bright neon-yellow colour
- Handle on top for quick and easy grabbing
- Adjustable nylon straps, quick-release buckles, heavy-duty Velcro® fastening system around the belly and neck to keep securely fastened

Classic Yellow Vest

PAW 1100	XX-Small
PAW 1200	X-Small
PAW 1300	Small
PAW 1400	Medium
PAW 1500	Large
PAW 1600	X-Large

Blue Polka Dot Vests

PAW BP1100	XX-Small
PAW BP1200	X-Small
PAW BP1300	Small
PAW BP1400	Medium
PAW BP1500	Large

Pink Polka Dot Vests

PAW PP1100	XX-Small
PAW PP1200	X-Small
PAW PP1300	Small
PAW PP1400	Medium
PAW PP1500	Large

The Nautical Vest

PAW N1100	XX-Small
PAW N1200	X-Small
PAW N1300	Small
PAW N1400	Medium
PAW N1500	Large

Paws Aboard Vest Sizing

Part #	Weight	Length	Neck Girth	Body Girth
#1100	to 6 lbs	6.5"	7-9"	11-16"
#1200	7-15 lbs	8.5"	8-12"	15-19"
#1300	15-20 lbs	11"	12-20"	17-22"
#1400	20-50 lbs	14"	20-25"	21-30"
#1500	50-90 lbs	16"	24-30"	30-37"
#1600	over 90 lbs	20"	29-34"	36-44"

► *Also See*: *Dog Boarding Ladder pg 260*

Davis Hand Bearing Compasses

Stable, liquid-damped card. 5° graduations. Lightweight. Large contoured, angled handle. Comes with lanyard.

DIN 211

As above but features long lasting LED illumination. Comes with 2 x AAA batteries.

DIN 215

Ritchie Sportabout Compasses

Hand bearing compass for small recreational boats.

- Easy to read 2" direct-reading dial
- Built-in roller diaphragm for extended temperature operating range
- International safety yellow
- Silicon impact resistant case with neck lanyard
- Compact size for easy handling and storage
- QuickSight V-Notch and lubber line for easy heading alignment
- Nonelectric chem sticks provide 18 hours of night lighting

RIT X-11Y	Yellow direct read card
RIT X-11-HW	Holder bracket
RIT RS-0051-4	4 pack light sticks

X-11-HW

RIT X-11Y-TD Sportabout / Kayak compass kit
Comes with compass, compass holder, light sticks and tie down for kayak.

RIT K-TD.2 Kayak compass tiedown

Ritchie Compass Common Features

- *Internal green night illumination*
- *Built-in compensators to easily adjust for deviation*
- *Matched sapphire jewel & hardened steel pivot dial movement*
- *Powerful directive force magnets for fast heading lock-on*
- *High temperature composite construction*
- *100% repairable*
- *Exclusive 5-year Ritchie warranty*

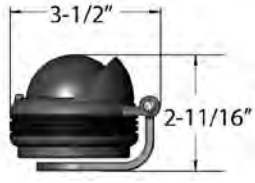
Ritchie Sport Compass - Dash Mount

Recommended for boats to 16'.

- 2" (5.08 cm) direct reading dial
- Easily installed, fits standard 2-1/16" (5.50 cm) instrument hole
- View adjusts up to 30°
- Scientifically matched sapphire jewel & hardened steel pivot dial movement
- Exclusive built-in green nitevu lighting
- High temperature composite construction
- Directive force magnets
- Exclusive 5-year Ritchie warranty

RIT X-21BB

Ritchie Trek Compasses - Bracket & Deck Mount



Recommended for boats to 20'.

- Ideal for runabouts, centre consoles, ski boats, flats boats and bass boats
- 2-1/4" direct reading dial with large numerals for easy reading
- Strong directive force magnets and composite dial for fast performance
- Built-in compensators to correct for deviation
- Extra large diaphragm and rugged construction provide extended operating temperature range
- High-impact rubber accent strip
- Built-in, 12V green nitevu lighting
- 100% repairable
- Exclusive 5-year Ritchie warranty

Bracket Mount

RIT TR-31 Black, direct read
RIT TR-31W White, direct read

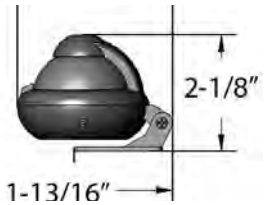
Surface Mount

RIT TR-33 Black, direct read
RIT TR-33W White, direct read

Parts:

RIT EX-0005-2 Replacement bulb

Ritchie Sport Compass - Bracket Mount



An ideal compass for use on small power-boats, canoes, kayaks, and all forms of recreational vehicles. The ultra-modern, low profile design allows for compact installation.

- Easy-to-install on windshield or dash
- Two-sided, self-adhesive mounting pads included
- Reversible bracket adjusts through 300°
- 2" direct-reading, high visibility dials
- Internal green night lighting
- High temp composite construction for extended operating range
- Hardened steel pivot and sapphire jewel movement
- Built-in compensators
- Exclusive 5-year Ritchie warranty

RIT X-10-M Compass

Parts:

RIT RS-0105XSP Replacement light

Ritchie Explorer Angler Compass - Bracket Mount

Recommended for boats to 24'.

- 2-3/4" blue direct-reading dial
- Easily adjustable bracket mount with thumb-screws
- No-glare gray finish with high-visibility blue dial
- Distinctive Ritchie Angler graphics
- Scientifically matched sapphire jewel & hardened steel pivot dial movement
- Internal green night lighting
- Built-in compensators to easily adjust for deviation
- Movable sun shield
- Directive force magnets
- 100% repairable
- Exclusive 5-year Ritchie warranty

RIT RA-91 Black

Ritchie Explorer Compasses - Bracket Mount

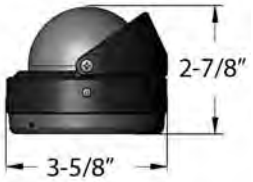
- Adjustable and removable with bracket and thumbscrews
- Movable sun shield
- Direct read card

RIT B-51	Black w/ black dial
RIT B-51-G	Grey w/ blue dial
RIT B-51-W	White w/ white dial

Parts:

RIT EX-0004XSP	Blk mounting bracket
RIT EX-0005-2	Bulbs, 2/pkg

Ritchie Explorer Compasses - Surface Mount



- Compact low-profile design
- Quick push-button removal of compass module for storage and security
- Movable sun shield
- Direct read card

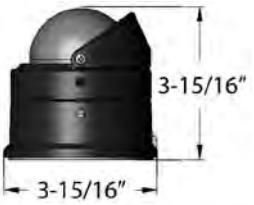
RIT S-53	Black w/ black dial
RIT S-53W	White w/ white dial
RIT S-53-G	Grey w/ blue dial

Ritchie Explorer Compasses - Flush Mount

- Easily installed, fits 3.75” (9.53 cm) mounting hole
- Movable sun shield

RIT F-50	Black, direct read card
RIT F-50W	White, direct read card

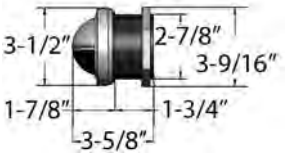
Ritchie Explorer Compass - Deck Mount



- Compact design
- Quick push-button removal of compass binnacle for storage and security
- Movable sun shield
- Direct read card

RIT D-55

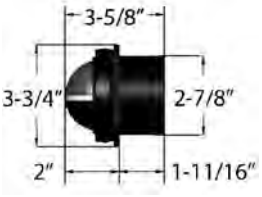
Ritchie Explorer Compass - Dash Mount



- Easily installed, fits 3” instrument hole
- Bezels styled to match popular gauge packages
- Viewing is adjustable to 30°
- Direct reading card, black

RIT V-57.2

Ritchie Explorer Compass - Bulkhead Mount



- Viewing is adjustable to 30°
- Adjustable and removable with bracket and thumbscrews
- Easily installed, fits 3” (7.62 cm) mounting hole

RIT V-537	Direct reading dial, black

Ritchie Voyager Compasses

Recommended for boats to 28'
- *3" Power damp flat dial*

Ritchie Voyager Compasses - Bracket Mount

- 3" power damp flat dial
- Adjustable and removable with bracket and thumbscrews
- Movable sun shield
- 45° lubber lines

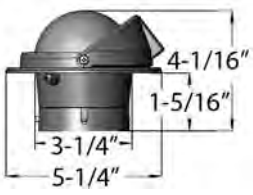
RIT B-80 Black, flat reading card
RIT B-81 Black, combi reading card

Ritchie Voyager Compass - Deck Mount

- 3" power damp flat dial
- Movable sun shield
- 45° lubber lines

RIT D-84 Black, flat reading card

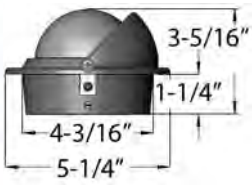
Ritchie Voyager Compass - Flush Mount



- 3" power damp flat dial
- Easily installed
- Movable sun shield
- 45° lubber lines

RIT F-82 Black, flat reading card

Ritchie Voyager Compass - Flush Mount



- 3" combi-damp dial
- Easily installed.
- Movable sun shield

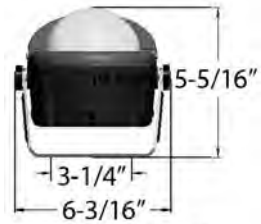
RIT F-83 Black, direct reading card

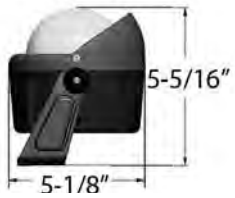
RIT V-80-C Cover for Voyager series
RIT VL-100 Voyager black, night light kit

Ritchie Helmsman Compasses

Recommended for power or sailboats 25-35'.
- *3-3/4" dial*

Ritchie Helmsman Compasses - Bracket Mount





- 3-3/4" dial, black
- Adjustable and removable with bracket and thumbscrews
- Movable sun shield
- 45° lubber lines

RIT HB-740 Flat reading card
RIT HB-741 Combi reading card

Parts:
RIT SH-0029XSP Helmsman LED light assembly

Ritchie Helmsman Compass - Flush Mount

- 3 3/4" combi-damp dial
- Easily installed, fits 4" (10.16 cm) mounting hole
- Movable sun shield
- 45° lubber lines

RIT HF-743 Compass, black

RIT H-741-C Cover, white

Ritchie Helmsman Compasses - Deck Mount

- 3 3/4" dial
- Movable sun shield
- 45° lubber lines

RIT HD-744 Flat reading card

RIT HD-745 Combi reading card

RIT H-71-C Compass cover, white

Ritchie Helmsman Covers

A white plastic compass cover that fits all of the flush, deck/binnacle, and bracket mount models in the Ritchie Helmsman series.

RIT H-70-C Helmsman cover

RIT H-71C Helmsman deck mount cover

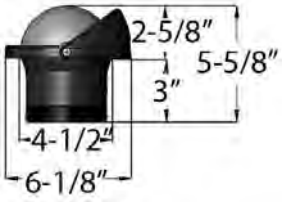
RIT H-741-C Helmsman flush mount cover

Ritchie Navigator Compasses Common Features

Recommended for power or sailboats 28-45'.

- *4-1/2" dial*

Ritchie Navigator Compass - Flush Mount



- 4-1/2" power damp flat card dial with large numerals
- Easily installed, fits 4.75" (12.07 cm) mounting hole.
- Built-in compensators to easily adjust for deviation
- Powerful directive force magnets for fast heading lock-on
- Movable sun shield
- 45° lubber lines

RIT FN-201 Black

Ritchie Navigator Compass - Binnacle Mount

- 4-1/2" power damp flat card dial with large numerals
- Brushed stainless housing
- Ideal for both power and sail boats
- Fits all popular sailboat steering pedestals
- Internal gimbal systems for maximum stability during adverse pitch and roll conditions
- Movable sun shield
- 45° lubber lines
- Easily installed, fits 5.25" (13.35 cm) mounting hole

RIT DNP-200

Ritchie Navigator Covers

RIT N-203-C Flush & Binnacle mount

RIT BN-C BN 202 bulkhead mount cover

Ritchie Globemaster Compass - Binnacle Mount

Recommended for power or sailboats over 30'.

- 5" power damp flat dial
- Brushed stainless binnacles
- Easily installed, fits 7.25" (18.42 cm) mounting hole.
- Ideal for both power and sail boats
- Lightweight/easy-to-align mounting base fits all popular sailboat pedestals
- 45° and 90° lubber lines for easy reading
- Full internal gimbals
- Exclusive green nitevu 12V night lighting
- Spherical design with fibreglass reinforced bowl
- High-capacity roller diaphragm for extended temperature operating ranges
- Built-in compensators
- 100% repairable
- Exclusive 5-year Ritchie warranty

RIT SP-5C Polished stainless, flat card

Parts:

RIT GM-5-C Protective fabric cover

RIT LL-C Globemaster flush mount cover

Ritchie Venture Sailboat Compass

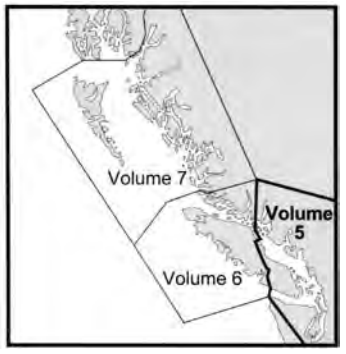
The Venture SR-2 is designed primarily for sailboats 16' to 36' in length.

- 3 3/4" (9.35 cm) combi-dial
- 12V green led night lighting
- 4-5/8" to 4-13/16" (122 mm) mounting hole
- Vertical mounting angle through 40 degrees
- Clinometer (inc-45) included
- Steady quick lock-on performance
- Exclusive 5-year ritchie warranty
- Protective front & back covers are included
- ST-CM2 compensator module is sold separately

RIT SR-2

Notes

Canadian Government Publications



PUB P244	Current Atlas - Juan de Fuca
PUB P118	Vol.-1 Sailing Directions
PUB P202	2009 Radio Aid to Navigation
PUB PAC200E	Pacific Coast General Information
PUB PAC205E	Sailing Directions Inner Passage-Queen Charlotte Sound to Chatham Sound
PUB PAC206E	Hecate Strait, Dixon Entrance, Portland Inlet and Adjacent waters and Queen Charlotte Islands
PUB P185	2010 Tide Table Vol 5 (Juan De Fuca Strait & Strait of Georgia)
PUB P186	2010 Tide Table Vol 6 (Discovery Passage including Port Hardy & West Coast Vancouver Island)
PUB P187	2010 Tide Table Vol 7 (Queen Charlotte Sound to Dixon Entrance)
PUB P211	Lights Buoys & Fog Pacific 2007
PUB P468	Notices to Mariners Annual 2010
PUB CHR1	Symbols, Abbreviations, Terms

Canadian Hydrographic Charts

3052	Okanagan Lake
3053	Shuswap Lake
3061	Harrison Lake & Harrison River
3062	Pitt River & Pitt Lake
3312	Jervus Inlet & Desolation Sound
3313	Gulf Islands
3488	Fraser River-Crescent Island to Harrison Mills
3489	Fraser River-Pattullo Bridge to Crescent Island
3512	Strait of Georgia-Central Portion
3311	Sunshine Coast, Vancouver Harbour

In Addition to the popular charts above we carry a large stock of marine charts. Please feel free to call us to enquire after your specific needs.

► NOTE: Sold to the End User Only

Binnacle Vinyl Chart Cases

Heavy #10 gauge vinyl with heat sealed edges. Vinyl zipper and non-glare surface.

BIN 6	10" x 16-1/2"
BIN 7	18" x 24"
BIN 8	24" x 36"

Davis Chart Holder

This tubular, plastic chart holder is weatherproof and floats. Large enough to hold most marine charts. Includes identification label. 40" x 3" diameter.

DIN 086

C-MAP Electronic Charts

Some C-MAP features:

- Multi-Media Objects-aerial photos & dia. of marinas
- Seamless Coastal Roads
- Points of Interest (POIs)
- Tides and Currents
- Dynamic Elevation Data
- Display the charts in a new Perspective (3D) mode
- Chart can be panned/zoomed
- C-MARINA Port Plans

► *Also See: Product Details pg 177-178*

Ritchie Wet Notes

A truly ingenious product, Ritchie Wet Notes are a must for anyone who works or plays outdoors, under water or in a wet environment. All you need is a simple soft lead pencil to record important notes & reminders.

RIT W-35 Note pad 3" x 5"
40 waterproof pages

RIT W-50 Binder 4" x 6-7/8"
45 waterproof pages

Beckson Ship's Log Books

400 series: 9" x 11-1/4". Heavy vinyl supported cover with 22 ring plastic binder. Cover colours: navy, red and white.

Part #	Title	Contents
BEC MM401	Radio Log	All radio pages
BEC MM402	Guest Log	All guest register pages
BEC MM403	Log Book	Combination log, radio & guest pages
BEC MM406	GPS/Loran	Ship's log and log book & way-point register

500 series: 6-1/2" x 9". Laminated plastic cover with plastic binder. Pages: cruising, guest, radio, fuel, repairs and engine hour readings. Cover colour is navy.

BEC MM503 Small craft log
BEC MM506 GPS register

Beckson Power Boat Manager

Complete maintenance and reference logs. This book contains pages of equipment checklists, medical and first aid information, owner and vessel information, customs, Coast Guard and official requirements, piloting tips and procedures, inventory lists and location, float plans for filing before departure. System information on each operating system on board, engine, rigging, wiring, radio, etc. In short everything needed in case someone else needs to take over.

- 9-1/2" x 8-1/4"

BEC ML-PBMGR

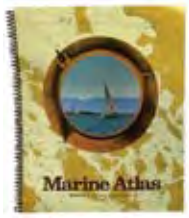
Wesmar Pilot Log Book

Log book with formatted pages.

- Measures: 5-1/2" x 8-1/2"

PUB PL

Marine Atlas Coast Guides



Olympia to Malcolm Island, 52 pages.

- 14" x 11-1/2"

PUB MA-1

Port Hardy to Skagway, 72 pages.

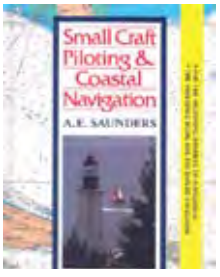
PUB MA-2

Davis Quick Reference Cards

Accurate, professional boating information when you need it. These 8-1/2" x 11" rigid, weatherproof cards are double sided and punched for a 3-hole binder.

DIN 125 Navigation Rules
DIN 126 Coastwise Piloting
DIN 127 International Rules
DIN 128 Boating Guide
DIN 129 Electronic Nav/Communication
DIN 131 Weather Forecasting
DIN 132 Celestial Navigation

Binnacle Small Craft Piloting And Coastal Navigation

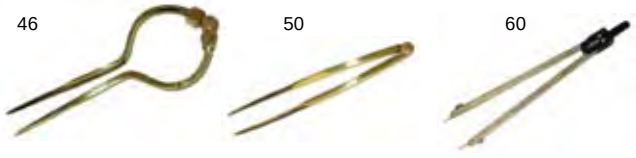


Written by E.A.Saunders, noted authority on the art and science of navigation. Both the novice and the navigator will benefit from the wealth of practical navigational information contained in it.

- 9-1/4" x 7-1/2"

BIN 24 Hardback, 287 pages

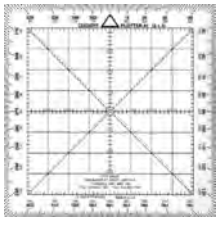
Binnacle Solid Brass Dividers



British made, solid brass dividers with stainless steel tips. Heavy duty professional instrument.

BIN 46 7" one-handed
BIN 50 8" straight-legged
BIN 60 7" chrome-plated

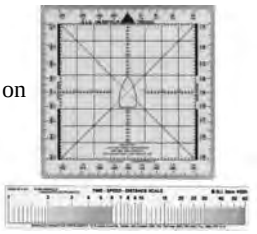
Binnacle Square Navigation Protractor



5" x 5" plastic square with black calibrations. Plot courses, bearings, lines of position, and reciprocal courses with ease and accuracy.

BIN 1

Binnacle Cockpit Plotter



The essential tool for accurate, rapid plotting of courses, bearings or positions on marine and aviation charts.

- 5" x 5" square

BIN 61

Binnacle Graduated Parallel Rules

Parallel rules with protractor degree markings. Crystal clear plastic equipped with cork friction pads to prevent slipping.

BIN 56 15"
BIN 57 18"

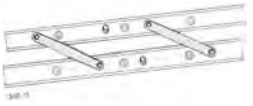
Binnacle Navigator Kit

This handy kit comes complete with a time-speed-distance calculator, 15" parallel rule and set of 5-1/4" dividers. All in a vinyl case.

BIN #86

C-Thru Parallel Rule

Clear plastic with aluminum bars. Non sliding disc on bottom. Bevelled edges.



CTH 1500 - 12"
CTH 1500 - 15"
CTH 1500 - 18"

C-Thru Marine Triangle

See through plotter with a pickup bar for easy positioning.

CTH MT-78 8"

C-Thru Marine Kit

Kit includes plotter, divider, compass arm protractor, parallel rule, divider, and pencil packed in a vinyl portfolio. Pockets for maps, pads and charts.

CTH MR1600

Davis Charting Kit

This charting kit comes with one-arm protractor, course plotter, protractor triangle, parallel rules, dividers, pencil and instruction booklet. It's all organized in a 5-3/4" x 16-1/4" (146 mm x 413 mm) heavy gauge plastic storage case. An excellent gift idea for cruisers and racers alike.

DIN 083

Professional Mariner 7 x 50 Binocular

- Green coated lenses incorporate BAK4 prisms for great light retention and glare reduction
- Water-resistant, centre focus
- Retained lens caps
- Clam packaged

PRO 11752

Professional Mariner 7 x 50 Floating Binocular

These innovative marine binoculars are perfect for on-board use. Their ruby coated lenses incorporate BAK4 prisms for great light retention and glare reduction. ProMariner marine binoculars are nitrogen filled, fog proof, and waterproof. Best of all they'll float if accidentally dropped overboard.

- Rubber coated case
- Improved lens cap
- Ruby coated lenses
- Individual focus
- Padded case and strap included

PRO 11753

Professional Mariner 8 x 30 Waterproof Binocular

- BAK4 prisms for great light retention & glare reduction
- Nitrogen filled, fog proof, and waterproof
- External compass
- Centre focus
- Ruby coated lenses
- Molded finger grips
- Clam packaged

PRO 11830

Professional Mariner 7 x 50 Waterproof Binocular

- Ruby coated lenses incorporate BAK4 prisms for great light retention and glare reduction
- HighSeas Marine binoculars are nitrogen filled, fog proof, and waterproof
- Retained lens caps
- Internal illuminated range finder & compass
- Integrated range calculator

PRO 12751

Bushnell 7 x 50 Perma Focus Binocular

Focus-free operation in a 7 power ocular, with a 50mm objective for superior brightness and clarity. Provides a 372' field of view @ 1,000 yards (good for distant objests). Comes complete with carrying case, neck strap and lens cloth.

BUS 17-5007

Bushnell 7 x 50 H2O Waterproof Binocular

- BAK-4 prisms for bright, clear, crisp viewing
- Multi-coated optics for superior light transmission
- 100% waterproof: O-ring sealed and nitrogen purged for reliable, fog-free performance
- Non-slip rubber armour absorbs shock while providing a firm grip
- Twist-up eyecups
- Large center-focus knob for easy adjustments
- Longer eye relief

BUS 15-0750

Bushnell 7 x 50 Waterproof Marine Binocular

- Hermetically sealed and nitrogen-purged for waterproof and fog proof performance
- Large UV coated objective lenses for bright images from dusk-to-dawn
- Easy-grip rubber armour protects and provides a secure hold - even when wet
- Carrying case and strap included
- Internal ranging reticule
- Internal illuminated analog compass

BUS 13-7500

Davis Deluxe Mark 25 Sextant

This sextant uses a full-field beam converger, with a quartz hardcoat, that replaces conventional half-silvered mirrors. Horizon and astrobody images are combined in a single full-field for easy, reliable sights under the most difficult conditions. Special mineral coating is selective for different wavelengths of light. Horizon is transmitted in one colour region and the star or sun in another. Improved reinforced plastic stiffens frame for greater measurement accuracy. High-efficiency LED illumination system which floods arc and drum with soft light. The led will last for the lifetime of the sextant. Batteries, which are included (AAA), will last up to 10 times longer than with regular bulbs.

DIN 025

Davis Standard Mark 3 Sextant

Sometimes referred to as a "lifeboat" sextant, the Mark 3 is an inexpensive training sextant. Yet this model has taken sailors around the world. It is full-sized and has 4 sunshades, but no optical magnification to help you find dim celestial bodies.

- Full 7" arc
- Instantly adjustable
- Corrosion proof
- Reads to within 2' of arc

DIN 011

Davis Mark 15 Sextant

- 7 large sunshades
- 3 mm x 27 mm star scope
- Micrometre drum vernier scale that reads to 2/10th of a degree
- 7" (18 cm) frame radius graduated from 120 degrees to -5 degrees
- Traditional half-silvered mirror

DIN 026

Kwik Tek Dry Packs

DRY PAKs provide simple, effective protection for cell phones, cameras, GPSs, and PDAs. All DRY PAK items have cam lock clips on top that hermetically seal out water, sand and dust. Many of the clear DRY PAK items are constructed of a hi-tech thermal-plastic-polyurethane. Sounds transmit through TPU with less than 5% loss of volume, making it the perfect choice for phone and VHF radio cases.

Phone/GPS/PDA

- Clear TPU front, blue TPU back, padded & lined.
- Adjustable neck lanyard, anodized aluminum spring hook
- Holds cell phones, PDA, GPS & more
- Maximum circumference: 7.25"

KWI DP-46 4" x 6" long
KWI DP-48 4" x 8" long

VHF Radio

- Clear TPU front, blue TPU back, padded & lined
- Adjustable neck lanyard, anodized aluminum spring hook
- Holds VHF radios, cell phones

KWI DP-412 4" x 12" x 7.25 dia.
KWI DP-512 5" x 12" x 9" dia

Multi-Purpose Cases

- 6" wide x 9" long
- Clear heavy gauge vinyl
- 2 D-Rings sewn to corners
- For paddling, boating, camping, hiking
- Holds wallets, registrations, maps, electronic cameras, personal items
- Maximum circumference: 11"

KWI DPC-69

- 9" wide x 12" long
- For paddling, boating, camping
- Holds owners manuals, snacks, maps, electronics
- Maximum circumference: 17"

KWI DPC-912

GPS / PDA / Smart Phone Case

- Clear TPU front, blue TPU back, padded and lined
- Adjustable neck lanyard & anodized aluminum spring hook
- Yellow sealing clip for high visibility
- For beach, pool, boating, paddling, etc.
- Maximum circumference: 9"

KWI DP-56 5” x 6”

Camera Cases

- Shoot pictures through the case with the optically clear TPU
- Adjustable camera strap
- Yellow sealing clip for high visibility
- Holds 35mm & digital cameras, etc.
- Maximum circumference: 11"

KWI DP-65C 6” x 5” x 2" deep
KWI DP-68C 6” x 8” x 2" deep

Chart Case

- Provide simple, effective protection
- Cam lock clips on top that hermetically seal out water, sand and dust
- Hi-tech thermal-plastic-polyurethane
- 12" wide x 16" long
- Holds maps, charts, laptops, snacks
- Maximum circumference: 22"

KWI DPC-1216

Kwik Tek Roll Top Dry Bags

Your gear will stay dry inside these round bottom dry bags, even in adverse conditions. Shut out water by rolling down the top a few times and snapping the side release buckles together. It’s quick and easy to find items inside the clear bags, made of durable waterproof 19 oz. vinyl with RF-welded seams.

KWI WB-3 Dia: 9.5" x 16"
KWI WB-6 Dia: 11.5" x 19"
KWI WB-9 Dia: 12.5" x 28"

► *Also See: Chart Holders pg 718*